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GEOGRAPHICAL ABSTRACTS

PHYSICAL GEOGRAPHY

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GEOGRAPHICAL ABSTRACTS: Physical Geography

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Annual Index 1991

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Using the index

Subject Index

A single string of keywords is provided for each abstract, each element of which has a separate entry in the index, and appears with the other elements of the string followed by any regional terms from the abstract. The number **immediately following** is the reference number for the abstract.
For example, the string:

frontal cloud, mesostructure, front, embedded convection, USSR; 11269

will appear as:

frontal cloud
mesostructure, front, embedded convection, USSR; 11269

mesostructure
front, embedded convection, frontal cloud, USSR; 11269

front
embedded convection, frontal cloud, mesostructure, USSR; 11269

embedded convection
frontal cloud, mesostructure, front, USSR; 11269

Where a keyword occurs more than once the entries are blocked and sorted in alphabetical order by the second keyword. For example:

momentum flux
atmosphere surface exchange, turbulent exchange research; 10012.
energy density, wave dissipation, velocity fluctuation, radar, Japan, Shigaraki; 01849.
horizontal wind, vertical wind disturbance....etc

Where a general term is being used in a search, it will probably be more efficient to look up a more specific term in the first instance and then use the more general term as a qualifying term.
For example:
(1) **carbonate platform** and then (2) **Cretaceous** rather than
(1) **Cretaceous** and then (2) **carbonate platform**

All the index terms are selected by the editors and so a reasonable degree of consistency can be expected. However, exceptions do occur and it is worth searching all alternative or similar terms.
For example:
carbon-14 see also **radiocarbon**

In some cases abbreviations have been used as index terms. This has been limited to internationally accepted abbreviations.
For example:
GIS - geographic information systems

Please note that English spelling variants have been used throughout (mechanisation; labour;) and that wherever possible the terms are indexed in the singular - except in cases where to do so would change the meaning of the term.

Author Index

Each author is indexed separately from co-authors, each entry being followed by one or more abstract reference numbers. Please remember to check for listings under various possible combinations of initials.
For example:
Campbell, B. 08336
Campbell, B.A. 02204
may or may not refer to the same individual.

In cases where there are more than six authors, we list the first one cited followed by '& others', so only the first author will appear in the index.
Although in general only the last name is indexed as the surname, in certain cases each separate element of a surname will have an entry. These are:

where surnames contain prefixes; e.g. La, De

where Latin surnames contain both parental names; e.g. A. Garcia Alvarez

where Chinese and some Indo-Chinese names are used; e.g. Peng Chu Zhang

If in doubt, check all possibilities.

Regional Index

Although regional index terms are integrated within the subject index to give context to the keyword string, there is also a separate regional index. This operates on a hierarchical system. Under each country (or broader regional term where appropriate) the terms are progressively indented to the right, to indicate increasing specificity, and the string is only complete when an abstract reference number appears.
For example:

USA, Minnesota, Lake Calhoun

would appear thus:

USA
Minnesota
Lake Calhoun; 03006

Another area/town name in the same State (e.g. Minneapolis) would appear at the same level of indentation:

USA
Minnesota
Lake Calhoun; 03006
Minneapolis; 02879

Note:
All abstracts are indexed as specifically as possible so that, for example, the abstract numbers referenced under "Africa" will NOT contain ALL references to African studies, only those which cannot be narrowed down to a geographically smaller area, and so users will need to check individual country listings. Also, within a country listing the items entered under a town or regional name will NOT appear in the listing of numbers for the general entry for its home country.

Journal Listing

This is a simple alphabetical listing of nearly 1000 periodicals cited in **Geographical Abstracts: Physical Geography** during 1991. A full listing of journals scanned by Elsevier/Geo Abstracts is available from the publisher.

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edrock incision depth
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carbonate sedimentation, clay sedimentation, thorium-230 profile, box core, carbonate dissolution rate, sediment flux, glacial sedimentation, Holocene sedimentation, Pacific, (Equatorial); 08453. isotopic gradient, surface water, glacial circulation, glacial, interglacial, Southern Ocean; 02621. satellite, field information, land use, UK; 04666.

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channel adjustment
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channel adjustment process
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channel alluvium
gravel, alluvium, abrasion, river channel, weathering, mechanic weathering, biochemical weathering, 11841.

channel avulsion

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channel bank
bioturbation, tidal channel, slumping, shear strength, wave, Argentina, Bahia Blanca Estuary; 03539.
channel bank collapse
Tertiary, synsedimentary deformation, slumping, structure, fluvial process, Germany, Lower Rhine Basin; Cologne-Duren Area, Hambach; 04706.
channel bar
Cretaceous, Surajdeval Formation, sandstone, cross bedding, India, Gujarat, Saurashtra; 11659.
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channel bed incision
alluvium, flood, hydraulic mining, tailings, sediment load, USA, California, Bear River; 12839.
channel bend
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channel capacity
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channel change
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channel character
channel pattern, downstream fining, rational regime theory, hydraulic geometry, gravel bed, stream, slope induced change, UK, Scotland, Allt Dubhaig; 07138.
channel characteristic
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channel characteristic change
Pleistocene(Late), Holocene, base level change, flood plain, channel sand, braided channel, meandering, last interglacial, geomorphic surface, India, Ganga River Valley; Kanpur; 02505.
channel condition
valley side, slope development, Last Glacial Stage, fluvial terrace, alluvial cone, tephra cover, Shikotsu pumice fall, Eniwa "a' pumice fall, Tarumae "d' pumice fall, Tokachi "c-2' ash fall, tephrochronological analysis, Last Glacial, Postglacial, terrace chronology, lateral erosion, climatic change, Japan, Hokkaido, Tokachi Plain; 04922.
channel confluence
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channel current
leader head, leader core, lightning, return stroke model, channel base current, 05380.
channel deposit
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channel depression
meandering, floodplain, upper floodplain, Vistulian, Bolling, organogenic sediment, Poland, Pomerania, Slupsk; 05992.
channel depth
stable channel, gravel river, bank vegetation, straight channel, flow resistance, cross sectional geometry, depth averaged fluid velocity, bed shear stress, channel width, 08696.
channel design
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channel deterioration
sedimentation, weed growth, channel design, irrigation channel, drainage channel, environmental protection, water resource management, UK; Europe; 13463.
channel development
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Hemphillian, caliche, Tertiary, Ogallala Group, fluvial facies, aeolian facies, gravel, USA, Texas, Texas Panhandle, Yellow House Canyon; Blanco Canyon; 12915.
channel flood plain flow
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channel flow
boundary condition, water depth, mass transport, longitudinal density gradient, water quality simulation, bed slope, bottom friction, estuarine hydrodynamics, 00530. cross sectional geometry, velocity distribution, compound channel, roughness pattern, conveyance distribution, multi section stream, 05162. earthlined channel, Mannings formula, flow capacity, flow resistance, submerged vegetation, discharge-depth equation, roughness coefficient, 13330. finite element method, St. Venant equation, open channel network, unsteady flow, 13329. flow model, mathematical model, multi stage channel, lateral shear, depth averaged eddy viscosity, dimensionless eddy viscosity, two stage channel, depth averaged velocity, boundary shear stress, secondary flow, friction factor, eddy viscosity, 05169. friction factor, Blalock & Sturm method, critical depth, critical flow, two stage channel, 05172. friction velocity, water surface slope, flow velocity, filtration flow rate, average velocity, 09814. laminar incompressible boundary layer, boundary layer flow, pressure gradient, 07475. modelling periphyton, surface water quality, water purification, contaminant concentration, biofilm kinetics, 05200. partially cut off meander loop, depth averaged velocity profile, meander loop, velocity profile, mathematical model, physical model, water surface profile, 05174. rainfall runoff model, kinematic wave routing, overland flow, soil moisture, infiltration, peak discharge, runoff volume, drainage basin, arid region, model calibration, model verification, Saudi Arabia; 09810. reach back characteristics method, dispersion, pollutant transport, advection, diffusion, 12200. telemetry system, flood warning system, flow forecasting system, river control, water management, rainfall runoff, snow melt, 05142. vegetation, friction, Manning's n, channel hydraulics, Denmark; 05166. vorticity, overbank flow, meandering channel, channel model, natural channel, channel sinuosity, trapezoidal channel, flow resistance, flood plain flow, 05167.
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channel head advance
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channel hydraulics
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channel instability
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channel levee complex
turbidite system, sea level fluctuation, sedimentary evolution, Pliocene, Pleistocene, unconformity, channel deposit, Mediterranean Sea, Ebro Margin; 06099.
channel levee system
interglacial, glacier, submarine fan, seismic data, continental shelf, fan deposit, Weddell Sea, Crary Fan; 10569.
channel migration
alluvial channel, floodplain slope, channel slope, uplift, floodplain instability, meander, neotectonic effects, sinuosity, USA, South Dakota, Belle Fourche River; 10673.
channel model
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channel modification
channel adjustment, fractal analysis, spectral analysis, spatial interpolation technique, river regulation, Nigeria, Elemi River; 11005.
channel morphology
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timber harvesting, USA, Oregon, Elk River Basin; 13450. ice jam formation, river ice, barrage, ice regime, ice thickness, Hungary, Danube River; 12270. morphodynamics, fluvial process, methodological problem, fluvial relief, 08328. peak discharge, stream channel, land drainage, Canada, Quebec, Cookshire; 04151. sill formation, flysch, bed form, pothole, reflection face, 12186.

channel morphometry
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channel movement
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channel network
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channel pattern
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channel pattern experiment
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channel pattern simulation
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channel process
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channel protection
flood, design flood, small catchment, 00516.

channel regime
deposition, bed formation, sediment transport, bottom relief, sediment ridge, bed load transport, 07479.

channel roughness
flow resistance variation, particle size analysis, mountain stream, coarse sediment, bedload, Darcy Weisbach flow resistance, channel morphology, Germany, Bavarian Alps, Lainbach River; 08712.

channel runoff capacity
runoff, water discharge, agricultural land, India, Central Lesser Himalaya, Almora, Daulaghat; 07583.

channel sand
braided channel, meandering, last interglacial, geomorphic surface, channel characteristic change, Pleistocene(Late), Holocene, base level change, flood plain, India, Ganga River Valley; Kanpur; 02505.

channel sandstone
shoreface deposit, barrier beach facies, Green River Formation, Eocene, Douglas Creek Member, USA, Utah, Uinta Basin; 11719.

channel scour
concrete channel, flood dynamics, urban stream, flood event, Boundary shear stress, stream power, sediment distribution, velocity, USA, Missouri, Kansas City, Brush Creek; 04049.

channel sediment
gravel, mathematical function type, longitudinal river profile, river, sediment load, Japan; 08156. Pleistocene(Late), sedimentary structure, palaeochannel, buried depth, Holocene, China, Shandong, North Shandong Plain; 11860. pre-diversion Thames, Pleistocene(Middle), Cromerian, palaeomagnetic measurement, Thames-Medway river system, geology, interglacial sediment, borehole, UK, England, Essex, Little Oakley; 02664.

channel sedimentation
conductivity meter, auger, outwash, melt water drainage, Anglian, ice marginal channel, UK, England, Suffolk; 10770.

channel shape
sediment accumulation, groundwater regime, salt balance, mountainous terrain, downstream hydrology, hydrological effect, reservoir, mountain plain ecology, environmental impact, China, Haihe River; 08647.

channel sinuosity
river channel, channel adjustment, river regime, complex response principle, platform, cross sectional shape, gradient, China, Weihe River, Sanmenxia Reservoir; 04047. trapezoidal channel, flow resistance, flood plain flow, channel flow, vorticity, overbank flow, meandering channel, channel model, natural channel, 05167.

channel slope
uplift, floodplain instability, meander, neotectonic effects, sinuosity, channel migration, alluvial channel, floodplain slope, USA, South Dakota, Belle Fourche River; 10673.

channel stabilisation
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channel stability
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channel storage
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channel system
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channel depth, stable channel, gravel river, bank vegetation, straight channel, flow resistance, cross sectional geometry, depth averaged fluid velocity, bed shear stress, 08696. floodplain height, water depth, roughness coefficient, discharge assessment, compound channel, floodplain roughness, channel geometry, boundary shear force, total shear force, stage discharge curve, floodplain width, 05163.

channel-fill sequence
paleochannel, estuary, drowned river valley, transgression, sea-level stand, USA, Delmarva Peninsula; Chesapeake Bay; USA, Susquehanna River; 03537.

channeled scabland
glacial outburst flood, aggrading geomorphic surface, paleosol, Palouse loess, loess deposition rate, Washtucna Soil, USA, Washington State; 02509.

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flow regime, drainage scheme, river regulation, hydrograph characteristic, low flow, flood regime, sediment load, 06281.

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hydrocarbon, incised channel, stratigraphic trap, Miocene, Afam Clay, Nigeria, Niger Delta; 12946.

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chaotic dynamics
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chaotic streamline
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chaparral ecosystem
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Chappuis band
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characteristic equation
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characteristic method
suspended sediment, physical model, flood routing, numerical method, sediment laden flow, clear water flow, hyperconcentrated flow, explicit finite difference formulation, implicit finite difference formulation, 05150.

characteristic point
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charcoal
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charcoal analysis
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charcoal index
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Canada, Alberta, Wood Buffalo National Park; 08472.
harcoal influx
Betula decline, fire, pollen analysis, vegetation history, deforested, blanket bog, Ireland, County Kerry, Lough Adoon Valley; 05017.
harcoal monitor
alpha track radon monitor, short term measurement, uranium, monitor reliability, 10203.
harcoal preconcentration technique
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ion binding model, organic soil, humic substance, acid organic soil, soil solution, 07356.
harge density
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harge structure
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harge transfer
charged dislocation, ice surface, graupel, ice crystal, thunderstorm electrification, 03110.
harge transfer process
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ice surface, graupel, ice crystal, thunderstorm electrification, charge transfer, 03110.
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laboratory measurement, conduction current, measurement error, electrical measurement, thundercloud, balloon borne instrumentation, 11157.
hart
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Chasico Formation
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hastermark
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Chaves rutter
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Chebyshev coefficient
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heck dam
flood control structure, catchment management, riparian vegetation, riparian ecosystem management, channel stabilisation, erosion control, streamflow management, sediment deposition, USA; 01782.
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St. Germain II, Odderade, Upton Warren type site, last interglacial glacial cycle, amino acid geochronology, oxygen isotope stratigraphy, Ipswichian, Eemian, UK; Europe; 06082.
Chelford Interstadial
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Chelford sand
Devensian(Early), glacial deposit, till, UK; 13120.
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lacustrine sediment, porewater, PCBs, PAH, pesticide, Canada; USA, Great Lakes, Lake Superior; 01255.
hemical adsorption
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chemical bonding
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chemical budget
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chemical change
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chemical cloud model
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chemical component
aerosol, pollution, principal component analysis, photochemical process, lower troposphere, Arctic; 06549.
chemical composition
atmospheric chemistry, measurement method, trace species, 10174. environmental genesis, hydrological process, iron complex, reservoir hydrology, water colour, surface water quality, discolouration, organic iron complex, catchment hydrology, 13353. forest soil, humus, pyrolysis, 05089. grain size distribution, soil bulk property, aggregation, pore, 03961. methane, ozone, CFC's, nitrous oxide, carbon dioxide, transient change, troposphere, stratosphere, surface climate effect, temperature, 05495. precipitation, salt content, acid rain, meteorological condition, USSR; 11391. seasonal change, carbon dioxide, nomogram, scaling, rapid determination, corrosion property, surface water, 02703. snow, pH value, cloud water, ion concentration, supercooled cloud, 10185.
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chemical control
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chemical data
precipitation collector, mist collector, occult collector, sampling, 05319.
chemical degradation
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chemical denudation rate
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chemical depletion
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chemical dynamics
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chemical element
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chemical equilibrium
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computer data base, expert system, artificial recharge, underground dam, groundwater resources mapping, groundwater quality, aquifer recharge, groundwater prospecting, borehole technology, hydrogeology, aquifer management, water table recording network, Africa, (West); 06401. digital topographic database, GIS, analysis, New Zealand; 10371. thematic cartography, cartographic teaching, cartography, 09163.
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computer graphic
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Computer Graphics Metafile
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data standard, spatial referencing, data reliability, cartographic representation, Canada, New Brunswick; 01017. government survey, data integration, digital mapping, georeferencing, 01004. object oriented environment, GIS, 13834.
data exploitation
marine environment, geophysical parameter, user community, Europe; 10430.
data extraction
digital terrain model, stereoscopic imagery, correlation, 07991.
data file
crop growth simulation model, water balance model, WATERMAN, IBSNAT, soil water balance, 12238.
data format
addressing, high speed search, database, optical tape recording, 01000. electronic field book, 05568. GIS, interface, software package, relational database management, 03363. standard interchange format, GIS, interface, relational database management system, 01020. three-dimensional digital map, expert systems, GIS, urban management, GIS function, Japan; 05763.
data function
mapping, data model, 04558.
data fusion
geostatistics, solar irradiance, 10381. synergistic merging, rectification accuracy, image fusion, 11458.
data graphics
census data, vehicle dispatch, Statistics Canada, street network, transportation planning, Canada; 01159.
data handling
data management, meteorological telecommunication, fibre optic cable, 05278. information system, water quality management, monitoring, water quality analysis, sampling frequency, 11125.
data inaccuracy
GIS, information processing, liability, 01035. USGS, regression modelling, groundwater flow, parameter estimation, groundwater recharge, measurement error, 04116.
data initialisation
primitive equation forecast, filtered system, forecast, slow equation model, 07792.
data integration
bathymetry, hydrographic data, database, 13875. British Geological Survey, digital map, UK; 09149. digital mapping, georeferencing, data exchange, government survey, 01004. geophysics, remote sensing, GIS, 06835. GIS, electrical power utility, corporate GIS, National Topographic Data Base, Canada, Ontario; 01042. GIS, image enhancement, resource, Landsat TM, USA, Montana, Glacier National Park; 04628. global database, database, 11494. multiple feature data, technology, intelligent data structure, 01062. resource information, support policy, decision making, Australia; 13841. route determination, route guidance, vehicle location, road information system, 01157. spatial data transfer standard, GIS standard, data management, 05640. updating, cartographic product, 02171.
data integration method
geophysical data, satellite imagery, principal components analysis, digital image processing, 12715.
data integration technique
geochemical data, classification, graphic processing, expert system technique, 12714.
data integrity
integrated GIS, object oriented database, spatial data format, 01063. networking technology, geo-referenced data, municipal government, database, 01013.
data interpretation
surface water quality, expert system, European Community Directive, episodic pollution event, river quality management, 00558.
data layer
waste storage, disposal facility, regional planning, pilot project, USA, Vermont; 13974.
data linkage
GIS, data organisation, digital cadastral data base, 08010.
data listing
satellite data, National Space Science Data Center, 09081.
data logger
coal mine, gas flow, pressure sensor, 12719. storm hyetograph, tipping bucket rain gauge, headwater piezometer, stream flow gauging, lag time, unit area discharge, steep terrain, drainage basin, forested terrain, rainfall impulse tracking, runoff routing, 08673.
data logging system
Royal Navy, ocean survey, coastal survey, 05596.
data management
cadaster, survey, Switzerland; 11530. data integration, spatial data transfer standard, GIS standard, 05640. environment, International Space Year, global problem, satellite system, 00943. ESA-Earthnet, Polar Platform, remote sensing, 00944. forestry, resource management, agriculture, water, education, training, environmental modelling, 13756. GIS, consultant, 02144. hydrological data, data processing, 01622. meteorological telecommunication, fibre optic cable, data handling, 05278. oceanography, remote sensing, France; 11602. river network control, forecasting model, computer software, graphical presentation, river flow, flow forecasting system, 09797.
data management program
automatic data recorder, computer data storage, water level data, calculated water level, 05250.
data management technique
scan line processing, parallel computer, grid cell GIS, 07998.
data measurement integration
oceanographic research, in situ measurement, remote sensing data, coastal water quality, water quality, Ligurian Sea; 09276.
data model
data function, mapping, 04558. data structure, database, National Geodetic Information System, binary modelling, Canada; 01003. geomatics, object, vector, raster, 13858. GIS, semantic relationship, temporal relationship, query interface, DBMS, 01058. structured information, spatial information systems, information engineering, 01011. structuring, cartographic data, database management, quality criteria, 13864. topographical reality, object oriented description, ATKIS, 11532.
data model comparison
glacial interglacial change, tectonic process, general circulation model, fossil indicator, geologic time scale, climate change, 05457.
data modelling
database, spatial database, 04541.
data network
data transfer, database, 02094.
data organisation
digital cadastral data base, data linkage, GIS, 08010. regional planning, information system, Botswana; 11626.
data paucity
index method, flood frequency analysis, tropical catchment, flood peak prediction, New Guinea, Sepik Basin; 05130.
data point
attractor, systems behaviour, chaos theory, physical geography, 08320.
data precision
depth data, surveyor, 09114.
data presentation
analytical technique, GIS, integrated spatial data set, data access, 01064. Doppler radar, meteorological data, lightning detection, radar data, reflectivity, radial velocity, 05326. precipitation, satellite imagery, weather radar, radar data processing, Canada, Quebec; 05335. real time display, pollution monitoring, France, Ile de France; 01973.
data process
image processing, remote sensing, electromagnetic theory, radiation, sensor, aircraft, satellite, 06710.
data processing
advanced hardware, AM/FM, 08001. artificial intelligence, meta knowledge, information management, 03297. atmospheric correction, personal computer, CZCS, 09100. data management, hydrological data, 01622. decision criteria, expert system, well location study, site measurement, groundwater development, village water supply, Africa; 07606. hydraulic structure, waterway, gauging station, stage discharge measurement, data base management, water management, hydrometric network, Belgium, Flanders; 09941. imaging spectrometer, system specification, 07906. information system, graphic data processing, Germany, Rhein-Hessen; 04550. meteorological information processing system, 05367. personel computer, computer software, hydrometeorological data, hydrogeological data, arid area, semi arid area, water

resource management, hydrological monitoring, data collection, data storage, Africa; 06417. principal component analysis, geological interpretation, Landsat TM, Pakistan, Indus; 06842. professional institution, Hungary; 03488. radar data, France; 05337. rainfall, weather radar observation, Hungary; 05356. spatial data, land resource data, areal mean rainfall, climate data, quadtree, hydrological research, data storage, 04016. surveying instrument, field observation, survey manuscript, electronic field book, 05567. weather computer system, weather radar, 05341.

data processing system
geoscience information, mineral deposit data, UNIX, 12702. image analysis method, agriculture, crop information system, yield forecasting, 12761. orbit determination, radar mapping satellite, Venus; 10243.

data product
archival data, radiation budget, Earth Radiation Budget Experiment, 11156. ERS-1 data, ground segment data, 09082.

data production
ATKIS, 11500. bulk image processing, Landsat TM, 06737.

data provision
GIS, software, database technology, 09121.

data quality
data source, stratosphere, Southern Hemisphere; 08832. digital geographical product, Statistics Canada, Circular Map Accuracy Standard, positional accuracy, 01022. digital point position, qualilty, standard, accuracy, GIS, 13830. GIS, data transfer, standard, 13821. historical data, LIS, temporal data, 05652. hydrometric network, informatic requirement, ARGOS system, data collection, station maintenance, station calibration, telemetry, Benin; 06265. photogrammetry, GIS, 12663. regional information system, national data system, UK; 10456. sampling regime, water management, water quality, regional water quality, water data, monitoring programme, USA, Ohio; Colorado; 11112. slope land management, GIS, error, Taiwan, Taitung; 06880. trend analysis, uncertainty, trend, surface ozone, Germany, Hohenpeissenberg Observatory; 13682.

data record
fresh water marsh, surface water quality, salt water intrusion, salinity, coastal marsh, USA, Louisiana; 07502.

data reliability
cartographic representation, data exchange, data standard, spatial referencing, Canada, New Brunswick; 01017.

data representation
GIS design, GIS evaluation, database, 06745.

data requirement
rainfall, evaporation, runoff formation, hydrological process, drought management, arid area, semi arid area, hydrological modelling, water management, rainfall runoff model, Africa; 06289.

data resource pyramid
GIS, spatial data, inventory, 13937.

data retrieval management system
international database, radiocarbon database, progress report, 02600.

data review
Sangamonian interglacial, vertebrate, last interglaciation, Canada; 07252.

data sample size
climatological data, correlation dimension, 07634.

data security
information system, risk analysis, Switzerland; 11493.

data set name
spatial database, GIS, grammar, 13845.

data sharing
information sharing, management, public sector, 13835.

data shortage
arid area, semi arid area, rainfall runoff relationship, water resource study, regionalisation technique, flow duration curve, ungauged basin, stream flow, Zimbabwe; 06290. drought, flash flood, water management, surface water hydrology, hydrogeology, water resource planning, arid region, semi arid region, hydrological data, Africa, Sahel; 06260. model calibration, parameter identification, alluvial fan, aquifer model, model uncertainty, groundwater modelling, Italy, Marecchia River; 09884.

data source
bibliography, climatology, Spain, Navarra; 11165. stratosphere, data quality, Southern Hemisphere; 08832.

data space volume
principal components analysis, probability density contour, maximum likelihood classifier, SPOT, Landsat TM, 10314.

data standard
spatial referencing, data reliability, cartographic representation, data exchange, Canada, New Brunswick; 01017.

data standardisation
information base, teaching, cartography, automated mapping system, GIS, 03353.

data standards
national atlas, geographic information, toponymic database, atlas database, Canada; 01080.

data storage
data processing, personel computer, computer software, hydrometeorological data, hydrogeological data, arid area, semi arid area, water resource management, hydrological monitoring, data collection, Africa; 06417. data processing, spatial data, land resource data, areal mean rainfall, climate data, quadtree, hydrological research, 04016. database extraction, decision assist system, GIS, Canada, Saskatchewan; 01038. mapping model, mapping curriculum, spatial information, 01005. temporal component, scientific visualisation, ARC/INFO, vector based GIS, 06639. water storage, hydrologic design, hydraulic structure, water distribution system, water resource management, Africa; 06405.

data structure
cartographic database, database, quadtree, subtree merging, 02117. content addressable memory, algorithm, quadtree, searching, 03361. crop production, natural vegetation, GIS, linear quadtree, land suitability classification, UK, Scotland, Deeside Region; England, High Peak District; Kincardine Region; 10406. database, National Geodetic Information System, binary modelling, data model, Canada; 01003. digital map, map, Germany, Berlin; 11533. GIS, SICAD, ATKIS, 11501. hierarchical representation, multidimensional point data, polygon map, three dimensional regional data, quadtree, spatial analysis, 06799. image processing, crop information system, flood mapping, GIS, 05555. information interchange, survey information, 06794. interchange standard, coordinate system, topology, GIS, 12680. knowledge engineering, computer network, GIS, management, spatial database, algorithm, 13817. map overlay, uniform grid technique, computational cartography, 01001. map projection, GIS, 02145. numerical generalisation, river network, generalisation algorithm, 13965. operational structure, GIS, dynamic field, 06752. PHOCUS, ATKIS, 11502. region data, line data, quadtree, binary image, 07997. revision, digitising, USGS, 05679. spatial information, 02071. spatial query, binary space partitioning tree, GIS, 01056. topological, census planning, digitising, DIME system, USA; 06798. US Bureau of the Census, TIGER, 05635. vector data, raster data, GIS, 11505. visual analysis, spatial analysis, 09134.

data system
GIS, global environment, Earth observation, 11495.

data telecommunication system
terrain study, digital topographic data, 07966.

data transfer
database, data network, 02094. standard, data quality, GIS, 13821.

data transmission
data analysis, networking, weather radar networking, 05342. data display, multiple weather radar, weather radar display, 05344. onchocerciasis, forecasting, hydrological forecast, Africa; 04661. radar data networking, weather radar, Europe; 05343. radar network, Czechoslovakia; 05360. radar, satellite data, data analysis, Spain; 05353. semijoin, distributed query processing, 03355. weather radar network, radar, Denmark; Sweden; Finland; Norway; 05361.

data trend
phytoplankton, zooplankton, food web model, climatic change, marine trophic level, weather, 07726.

data type
analytic manipualtion technique, database manipulation, graphic manipulation, GIS, 05631.

data uncertainty
geostatistical method, groundwater flow model, water level, flow direction, water velocity, flow volume, kriging, jackknife test, USA, Texas, Port Arthur, Upper Chicot Aquifer; 09886.

data updating
photogrammetry, digital data updating, 09085.

data use
cost-effective operation, stream-gauging program, streamflow record, data accuracy, USGS, USA; 04179.

data validation
GIS, digitising, map scanning, 07915.

data value
flood protection, stream gauging, gauge network, flow measurement, data collection, cost evaluation, UK, England; 04181.

data variability
climatological data, scaling, intermittency, 07750.

data visualisation
image analysis, classification, satellite image, DEM, Canada; 05603. meteorological data, software progress, three-dimensional display technique, 09956.

data volume
graphic to digital conversion, digital file, 05578.

data-model comparison
global circulation model simulation, Indian summer monsoon, monsoon, coastal upwelling, planktonic foraminifera, sea surface temperature, thermocline, marine sediment, upwelling field variability, Indian Ocean; Middle East, Arabian Sea; 02617.

databank
map production, reprographics, 02175.

database
archaeological site, underwater, English Channel, Goodwin Sands; 04677. artificial intelligence, information system, mediation, object, 04564. automated cadastral system, entity relationship model, cadastral system, 13862. cartographic data, information retrieval, 04542. cartographic production, National Cartographic Database, Canada; 13884. conceptual model, digitising process, 06716. conservation management, national park, ecological approach, GIS, Canada, Saskatchewan, Grasslands National Park; 01121. contour line, metric system, interpolation, digital map, 08052. cost benefit, organisational issue, public service corporation, USA, Wisconsin; 11629. cultural practice, wateruse efficiency, evaporation, crop water requirement, potential evapotranspiration, soil water balance, plant physiology, Africa, Sudan; Sahel; 12142. data integration, bathymetry, hydrographic data, 13875. data integration, global database, 11494. data integrity, networking technology, geo-referenced data, municipal government, 01013. data network, data transfer, 02094. data representation, GIS design, GIS evaluation, 06745. digital analysis, lineament, India; 13908. digital cartographic data, graphic display, command control, 04584. digital conversion, automated mapping, database cost, GIS, 06756. document, intelligent interface, 04561. earth science mapping, carto-bibliography, 05683. economic development project, GIS, USA, Alabama; 09299. entity relationship, 10338. environment programme, global resource information, 11497. environmental impact, powerline corridor, GIS, USA, Utah; Nevada; USA, Idaho; 05558. forecast demand, resource management, water supply, Water Use Analysis Model, water demand, Canada, Richelieu River; 13455. gazetteer, atlas, 05687. geodetic reference point, updating procedure, digital map, 06722. geographic database, GIS, government data, Taiwan; 09133. geomatics, government, Canada, Quebec; 02277. GIS, accuracy, 02142. GIS, archaeological research, 06929. GIS, corporate database, 13819. GIS, crop specific model, physical suitability assessment, 06877. GIS, graphical object, image object, object orientation, 13823. GIS, LIS, raster data, land use development, 06744. GIS, multi format database, spatial database, 13833. GIS, resource planning, peatland, UK, Scotland; 13899. GIS, training, cadastral training, 01168. GIS, vehicle routing, 05648. global

monitoring, environment, resource database, 02235. groundwater modelling, aquifer depth, water flow, hydraulic conductivity, seepage velocity, hydraulic gradient, saturated thickness, aquifer classification, hydrogeology, USA; 07535. information system, mapping, gully, 02201. international directory, global access, information, 13761. interval timestamp, temporal database, 09129. land resource planning, soil information, Canada; 13944. land use, Wales Terrestrial Database Project, conservation, UK, Wales; 04663. landscape model, resource, USA, Pennsylvania; 13898. local authority, GIS, 02146. logic, complex object, 04545. map scanning, digital editing, thematic map, 11527. measurement, error, accuracy, land use, GIS, UK; 04487. microcomputer workstation, GIS, global change programme, regional impact assessment, 08002. monitoring, tropical forest cover, Global Resource Information Database, 04624. National Geodetic Information System, binary modelling, data model, data structure, Canada; 01003. navigation system, road, street network, 13982. navigation, Prolog, 04556. offshore activity, oil industry, environmental data, 13903. optical tape recording, data format, addressing, high speed search, 01000. ORACLE, Prolog, 04568. photogrammetry, geographic information, 03288. planetary mapping, Mars, cartographic product, High Resolution Stereo Camera, 03277. planimetric data, vector form, raster form, 11499. police, crime, waste water, site suitability, USA, Hawaii, Honolulu; 13979. population, census, expert system, mapping, China; 11635. quadtree, subtree merging, data structure, cartographic database, 02117. radiocarbon database, search and retrieve data, Japan; 02599. radiocarbon laboratory, keyword, radiocarbon database, Yugoslavia, Zagreb, Rudjer Boskovic Institute; 02598. regional scale, natural resource, GIS, USA, Florida; 06847. relational model, independent, 04544. resource management, boundary dispute, hydrocarbon reserve, Canada, Gulf of Maine; Bay of Fundy; Canada, Georges Bank Region; 13925. resource management, GIS, digital database, USA, Oregon; 09198. risk, biophysical unit, wind erosion, agricultural production, Canada, Alberta; 13938. rule based system, temporal reasoning, information system, TEMPORA paradigm, 13814. satellite image, cartographic database, 13881. satellite, GIS, image processing, bandwidth, information transmission, 13777. semijoin, contributive tuples, query optimisation algorithm, 05649. soil conservation, GIS, Universal Soil Loss Equation, Ethiopia, Awash Basin; 08071. soil mapping, GIS, Europe; 13904. soil, water resource, GIS, USA, Hawaii; 13897. spatial database, data modelling, 04541. spatial knowledge, image, 04539. SQL, algorithm, cartographic database, 11508. storm surge model, hazard prediction, USA, Texas, Galveston Bay; 06907. telecommunication, geomatics, system integration, 13879. text data, graphics data, distributed database, GIS, 13809. TIGER, census, USA; 11529. topographic database, IGN, digital data, GIS, France; 02138. utility company, land planning, 11634. water data, water use data, water resource, water management, USGS Water Resources Division National Water Information System, information system, USA; 01772.

database compatibility
computer aid, mapping system, graphic capability, CAD system, 08046.

database concurrency control
two-phase locking, timestamping, database system, transaction waittime, 05650.

database construction
public utility, spatial handling, multiparticipant GIS, GIS, 03369. strategic implementation, GIS, project planning, project management, 01037.

database content
legal ramification, multiparticipant GIS, program organisation, accuracy, 01044.

database cost
GIS, database, digital conversion, automated mapping, 06756.

database design
categorising data, GIS, 13818. decision support tool, physical database, 09132. infrastructure, AM-FM, stormwater management, 01164. Statistics Canada, geographical information holdings, street network, census data, Canada; 01026.

database development
cartography, remote sensing, education, 02140. environmental decision, impact statement, USA; 11588. GIS, statistical evaluation, thematic map accuracy, land use, land cover mapping, USA, Florida; 05645. Landsat TM, digitised map data, map based feature extraction, surface material, material classification, USA, New York, Glens Falls; 07896.

database extraction
decision assist system, GIS, data storage, Canada, Saskatchewan; 01038.

database formalism
database system, management language, query language, updating mechanism, 08016.

database integration
GIS, computer graphics hardware, military application, 10321.

database language
SQL, deductive algebra, 04565.

database machine
relational query language, engineering database, functional programming, 03354.

database management
data analysis, benchmark, GIS, 09122. GIS, conservation database, remote sensing, Nepal; 10428. INGRES, historical data, query language, 06759. quality criteria, data model, structuring, cartographic data, 13864. topological structure, distributed processing, GIS, 00999.

database management system
ARC/INFO module, non spatial analyses, 08003. economic value, water resource, wateruse data, 11103. GIS, urban environment, Canada, New Brunswick, Fredericton; 10459. local government, GIS, land information, USA, Texas, Midland; 06940.

database manipulation
graphic manipulation, GIS, data type, analytic manipualtion technique, 05631.

database model
street network, area master file, temporal model, Canada; 13980.

database network
geomatics, mapping, surveying, Canada; 13760.

database query
virtual memory, deductive database, 04567.

database query language
object oriented modelling, GIS, Prolog, SQL, 03359.

database structure
object oriented paradigm, semantic data model, GIS, graphics, 01061.

database system
management language, query language, updating mechanism, database formalism, 08016. transaction processing, distributed database, 09110. transaction waittime, database concurrency control, two-phase locking, timestamping, 05650.

database technology
data provision, GIS, software, 09121.

database transaction
consistency, GIS, 12661.

datastructure
user interface, geoinformation theory, GIS, 00997.

date
occupational phase, radiocarbon dating, Neolithic, Bronze Age(Early), Greece, Macedonia, Mandalo; 02627.

date frond mat fence
wind erosion, barrier density, sand movement, erosion control, movement stabilisation, United Arab Emirates; 06231.

date fronds mat fence
barrier, wind, erosion control, microclimate, vegetation, wind break, 12369.

dated
Ohakean terrace, offset, Wellington Fault, radiocarbon dating, terrace, aggradational deposit, vertical offset rate, scarp height, uplift rate, faulting, New Zealand, Woodville, Ballantrae Research Station; 03721.

dating
aggradation, younger alluvium, biogeography, lowland relief, Andean foreland dynamics, depositional origin, rainforest ground, terra firme, Plio-Pleistocene fluvial landscape, Brazil, Amazon Lowlands; 02625. bone sample, accelerator mass spectrometry, calcium-41 concentration, modern bone, Egypt; 02573. carbon dioxide, polar ice, ice core, recovery, 02697. climatic change, moraine, neoglacial advance, tree ring, glacial fluctuation, dendrochronology, Argentina, Rio Negro, Rio Frais Valley; 03890. coral reef terraces, rise rate, Younger Dryas, post glacial, sea level rise, New Guinea, Huon Peninsula; 06187. erosion study, conceptual model, temporal resolution, sediment source identification, catchment delivery ratio, lake sediment, soil erosion, 01492. fossil fauna, transgressive sequence, drilling core, Huanghai Sea; 13087. isotope substage, Tyrrhenian, shoreline, uplift, strombus bubonius, Th-230/U-234, Italy, Calabria, Vibo Marina; 11986. lacustrine episode, epimerisation, isoleucine, ostrich eggshell, eggshell, Struthio camelus, Africa, Sahara; 13097. lake, dune, hydrological cycle, salt lake basin, evaporite, carbonate pedogenesis, aeolian dune, uranium series date, dune stabilisation, Strzelecki dunefield, hyperaridity, uranium series, Australia; 13106. long continental pollen sequence, correlation, marine pollen, oxygen isotope stratigraphy, substage 5e, fossil pollen, sedimentation rate, pollen assemblage zone, USA, Washington State, Olympic Peninsula, Humptulips; 01418. orbital frequency, Quaternary, palaeoclimate, magnetic susceptibility, magnetic susceptibility record, loess, China, Loess Plateau; 09594. oxygen isotope substage 5e, Quaternary sequence, coastal aminostratigraphy, last interglaciation, amino acid, racemisation data, Australia; 07199. peat, treatment technique, carbon-14, 02790. Pleistocene(Late), environment, mammoth, Mammuthus primigenius, stratigraphical position, Denmark; 07267. sediment, accelerated mass spectrometry, ultra small carbon sample, carbon sample, 02587. soil development, soil chronosequence, alluvial soil, Holocene soil, Pleistocene soil, USA, Great Basin; 13285. soil strength behavior technique, cohesive strength, scarp height, scarp bevel, age, bevel inclination, fault scarp age, fault scarp, USA, California, Owens Valley, Lone Pine Scarp; Nevada, Pleasant Valley; USA, Nevada, Dixie-Valley; USA, Nevada, Fairview Peak; 02531. submoraine, organogenic deposit, terminal moraine, pollen analyses, carbon-14 dating, geological geomorphological analysis, Svalbard, Spitsbergen, Wedel Jarlsberg Land, Renardbreen; 07245. tectonism, terrace, eustatic sea level, uranium/thorium dating, coral, Pleistocene terrace, Quaternary uplift, Pacific, New Hebrides, Vanuatu; Ile d'Efate; 01394. weathered alluvium, Quaternary alluvium, TL age, alluvial sediment, fan delta, calcrete, diagenesis, Gilbert fan delta, sandy channel, distributary channel, fluvial phase, uranium thorium dating, Australia, Queensland, Gilbert River; 13104.

dating criteria
relative dating, ironstone, lateritic crust, crustal age, Zaire, Shaba; 08528.

dating method
coastline, neotectonics, eustasy, sea level, North Sea; 08497. Pleistocene, marine terrace, strandline age, uplift rate, dating technique, New Zealand; 00325. Quaternary(Middle-Late), Quaternary deposit, cation leaching curve, rock varnish, China, Gansu Province; Xinjiang Region; 08531. radiochemical data, impure carbonate, lacustrine environment, evaporite sediment, theoretical study, U series isochron, total sample dissolution, 09553.

dating problem
glacial sediment system, marine record, climate change, amino acid, uranium date, UK; 13119. Karal rock, micromorphological analysis, calcite, cementation, Quaternary geology, radiocarbon date, petrology, India, Maharashtra; 08431.

dating technique
dating method, Pleistocene, marine terrace, strandline age, uplift rate, New Zealand; 00325.

dating tool
caesium 137, recent sediment, catchment process, Australia; 08336.

datum
African Doppler Surveys, Doppler, satellite, Nigeria; 04501. positional data accurate transformation, positional data rapid transformation,

ground survey, 06723. transformation, reference system, global reference, Australian Height Datum, geodetic coordinate, 04476.
datum age
palaeoceanographic condition, Pliocene(Late), Quaternary, diatom stratigraphy, stratigraphic marker species, Southern Ocean; Atlantic, (South); 11932.
datum defect
vertical reference network, reference point stability, deformation analysis, 07960.
datum redefinition
datum transformation, optimal modelling, positional data revision, spatial information system, 07950.
datum transformation
optimal modelling, positional data revision, spatial information system, datum redefinition, 07950.
Davis
geomorphological system, geomorphology history, erosion cycle, dissipative system, dynamic equilibrium, general system theory, 11829.
Davis Formation
Cambrian, lagoon, dolomite, limestone, neomorphism, sea water, mineralization, Bonneterre Formation, USA, Missouri; 02404.
Davis theory
peneplain concept, paradigm, geomorphology, Finland; 13008.
day length
surface torque, mountain torque, angular momentum, 00748.
dayside phenomena
low energy charged particle observation, auroral magnetosphere, 03391.
daytime
rock surface temperature, mechanical rock weathering, rock temperature regime, weathering simulation, surface temperature change rate, weathering, Atlantic, Canary Islands, Tenerife; 02709.
daytime mixed layer
mixed layer heights, dispersion modelling, inversion, operational prediction, prediction, 12365.
DBMS
atlas, geology, cartographic functionality, GIS, Labrador Sea; 01100. data dictionary, file format information, data entry menu, maintenance, 01060. data model, GIS, semantic relationship, temporal relationship, query interface, 01058. utility management, terrain modelling, DTM, GIS, 04553.
DDT
DDT metabolite, heavy metal, organic micropollutant, floodplain, surface water quality, suspended matter, sediment contamination, PAH's, polychlorobiphenyl, hexachlorobenzene, Netherlands, Waal River; Rhine River; 11024. fallout load, atmospheric deposition, transport, persistent pollutant, holarctic biota, PCB's, 07880. potable water quality, remedial technique, Freundlichs sorption isotherm equation, sorption mechanism, pesticide, water treatment, charcoal, 07500.
DDT group pesticide
PCB, mirex, dieldrin, endosulphan, organic trace contaminant, suspended sediment, surface water quality, chlorobenzene congener, hexachlorocyclohexane isomer, Canada, St Lawrence River; USA, St Lawrence River; 08736.
DDT metabolite
heavy metal, organic micropollutant, floodplain, surface water quality, suspended matter, sediment contamination, PAH's, polychlorobiphenyl, hexachlorobenzene, DDT, Netherlands, Waal River; Rhine River; 11024.
de gassing
cave genesis, multi storey dissolution maze, phreatic water, groundwater, joint system, corrosion effect, spring migration, uranium series dating, magnetic study, speleothem, fall rate, watertable, thermal water, USA, South Dakota, Black Hills, Wind Cave; Jewel Cave; 10721.
De Geer moraine
deformable bed, glacial geomorphic feature, grounded ice, deglaciation, late glacial sedimentation, flute, transverse ridge, Barents Sea; 04994.
De Graaff,N.(1619-1688)
travelling records, cartographic history, Dutch East India Company, East Indies; 03372.
de icing salt
trace metal mobility, roadside soil, calcium magnesium acetate, USA; 07377.
de-icing salt
freeze thaw action, insulator, roadway, frost, Canada, Quebec; 03914.
dead end dissolution tube
sea level fluctuation, limestone petrology, cave morphology, horizontal dissolution cave, phreatic morphology, Bahamas, San Salvador Island; 00257.
dead form
marine terrace, sea level, erosion pavement, outwash plain, glacier oscillation, relief, tidal flat, Svalbard, Spitsbergen, Petuniabukta; 02689.
dead ice
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East African Rift
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East Berlin Formation
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East Greenland Current
Norwegian Current, dissolution, pelagic zone, sedimentation, pteropod, shell size, Norwegian Sea, Lofoten Basin; Greenland Sea, Lofoten Basin; 02442.
East West Fault
crystalline massif, fault hydrogeology, groundwater recharge, pumping test, alluvial aquifer, fracturation, Niger, Air Massif, Awagadi Valley; 06364.
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easterly wave
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Eastern Avalonia terrane
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ebb channel
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ebb current
headland, tidal current, estuary, current meter, USA, Washington State, Hood Canal; 02326.
ebb tide
flood tide, tidal variation, estuary, dispersion, density gradient, UK, England, Tamar Estuary; 03540.
ebb-tidal delta
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Ebbadalen Stage
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echo size
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echosounding
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ECMWF
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eco climatic resource
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eco environment protection
resource exploitation, regional development, eco climatic resource, agriculture, China, Chaidamu Basin; 06457.
ecodevelopment
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ecohydrological parameter
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ecohydrological zone
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Ecole Pratique des Hautes Etudes
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ecological activity
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ecological approach
GIS, database, conservation management, national park, Canada, Saskatchewan, Grasslands National Park; 01121.
ecological cartography
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ecological condition
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ecological consequence
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ecological consideration
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ecological degradation
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ecological planning
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ecological problem
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ecological process model
computer model, surface water quality, water quality prediction, sea water lagoon, hydrodynamic model, water quality model, Tunisia, Tunis, North Lake; 13354.
ecological research
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ecological resource
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ecological sensitivity
industrial development, GIS, environmental hazard, environmental contamination, Canada, Ontario, Niagara Falls; 01149.
ecological significance
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ecological simulation
computer programme, traffic, model, 06926.
ecological study
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ecological system
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ecological type map
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economic base
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economic map
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economic methodology
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economic model
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economic principle
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economic science
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economic stimulation
pollution control measure, water quality management, water conservation, 11123.
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economic system
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ecosystem alteration
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ecosystem dynamic power
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ecosystem dynamics
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ecosystem interaction
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ecosystem management
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ecosystem process
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ecosystem response
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ecosystem stability
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ecotoxic heavy metal
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ecotoxicology
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Ecromagny terminal moraine
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edaphic parameter
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Eddington's approximation
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eddy covariance
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eddy current
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eddy diffusivity
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eddy exchange coefficient
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eddy flux
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eddy formation
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eddy heat flux
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edge operator
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forest development
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rest stand
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rest steppe
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rest stream
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rest tree
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rest tundra
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rest tundra boundary
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rest type
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rest understory
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rest vegetation
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rest water use
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rest-grassland
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rest-savanna boundary
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rested basin
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forested slope
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forested terrain
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forestry research
SAR, photogrammetric map, linear regression model, cutover mapping, Canada, Alberta; 08098.

forestry reserve
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forestry resource
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forgery
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tion, exhaust emission, hydrocarbon, carbon monoxide, nitrogen oxide, 05503. carbon isotopic analysis, spectrometric characterisation, chromatographic characterisation, 00882. continental air mass, ambient air, diurnal variation, mixing ratio, ozone, 06593. hydrogen peroxide, hydrogen cyanide, mesosphere, positive ion, rocket flight, heterogeneous chemical process, water vapour, methane, 00785. hydrogen peroxide, particle, sampling, diffusion scrubber, USA, California; 02055. ice core, oxidation capacity, methane sink, 09023. marine condition, aldehyde measurement method, 06591. methane oxidation, photochemical depletion, alcene, oxidation, ITCZ, marine atmosphere, Atlantic; 06651. nitric acid, sulphuric acid, hydrogen peroxide, dew chemistry, acid deposition, carbonaceous species, formate, acetate, carboxylate anion, carboxylic acid, bisulphite adduct, USA, California, Glendora; 02047. organic acids, hydrocarbon, peroxyacetyl nitrate, nitrogen oxide, ozone, hydrogen peroxide, sulphur oxides, long range transport, photochemical oxidant, chemistry-dispersion model, nitric acid, nitrate aerosol, organic compound, Japan; 02012. organic compound, fog water chemistry, wood burning community, industrial zone, deposition chemistry, formic acid, atmospheric deposition, acetic acid, USA, Oregon, Corvallis; 12150. organic compound, fog water, carbonyl, hydroxyalkanesulfonic acid, Italy, Po Valley; 06603. oxidation, chemistry, diethyl ether, ethyl tert butyl ether, 11300. ozone, diurnal variation, photochemical smog, annular denuder, titanium (IV) sulphate, dinitrophenylhydrazine, eugenol, spectrophotometry, liquid chromatography, sampling, hydrogen peroxide, 03164. ozone, photochemical diffusion model, nitrogen oxide, emission, photochemical smog, non-methane hydrocarbon, Australia, Victoria, Latrobe Valley; 02013. p-hydroxyphenylacetic acid, sampling, hydrogen peroxide, USA, California, Glendora; 02051. photochemical smog, ozone, hydrogen peroxide, hydrocarbon, ethene, propane, acetaldehyde, pollution, 02041. potassium iodide, phenoxazine, sodium carbonate, potassium hydroxide, pollution control, oxidant, annular denuder, ozone, nitrogen dioxide, nitric acid, peroxyacetyl nitrate, 00878. sampling, tunable diode laser absorption spectroscopy, carbonaceous species, diurnal variation, hydrogen peroxide, USA, California, Glendora; 02052.

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formaldehyde measurement
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format
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frost disturbed soil
anisotropy, sorted patterned ground, freeze thaw process, magnetic susceptibility anisotropy, matrix fabric, USA, Colorado; 03915.

frost fissure
fragipan, coversand, dune stabilisation, inland dune, Vistulian(Late), aeolian phenomena, palaeoenvironmental interpretation, stratigraphic interpretation, Pleni Vistulian grain, aeolian coversand, permafrost, Poland; 10790.

frost free period
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frost front
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frost heave
displacement transducer, segregational potential, field frost heave measurement, prediction, seasonal frost, time domain reflectometry, Konrad-Morgenstern theory, cumulative frost heave, Canada, Ontario, Ottawa; 01454. frost penetration, ice segregation, solute, soil structural stability, freezing, Conestogo soil loam, 08571.

frost heaving
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frost induced wedging
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frost mound
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frost penetration
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frost penetration rate
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frost predicting
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frost risk
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frost sorted pattern
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frost susceptibility
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frost weathering
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frost-point hygrometer
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frost-riven cliff
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frost-riving
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frozen bed
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frozen ground
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FSR statistical method
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FSSR16 rainfall runoff method
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fuel cycle
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functional dependency
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functional programming
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functioning intensity
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fund
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fuzzy c-means
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fuzzy classifier
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fuzzy image
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fuzzy inference
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fuzzy inference method
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fuzzy information representation
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fuzzy relational data model
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G max
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gabbro-diorite
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Galerkin finite element method
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Galerkin's method
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Galgelokke Member
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gallery forest
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Galway Formation
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gaming tool
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gamma beam method
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gamma density meter
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gamma distributed stream length
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gamma distribution
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gamma dose rate
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gamma emitter
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gamma fallout
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gamma radiation
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gamma radiation attenuation
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gamma ray curve
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gamma sterilised soil
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gas bubble
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gas chromatography/mass spectrometry
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gas content
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as pipe
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as proportional counter
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as stripping scrubber
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as works
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archive, Military Geographical Institute, photographic archive, topographical archive, Italy; 02162.

geodetic boundary value problem
geoid, GPS, height determination, gravity anomaly, 10258.

geodetic calculation
computer, angular quantity, 05605.

geodetic control
multipurpose spatial database, GIS, USA, Colorado, Jefferson County; 08014. oil prospecting, GPS, Nigeria; 12613. quality control, LIS, 08004.

geodetic control network
NTS mapping, survey network, map digitising, 13774.

geodetic coordinate
datum, transformation, reference system, global reference, Australian Height Datum, 04476.

geodetic datum
International Earth Rotation Service, mapping control, 07949.

geodetic framework
GPS, first order control, GIS, USA, California, Fresno; 05591.

geodetic levelling
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geodetic measurement
levelling, recent crustal movement, Hungary, Pannonian Basin; 06015. plate boundary zone, GPS, tropospheric calibration, plate motion vector, Caribbean Sea; 12709. recent tectonic movement, tectonic movement, vertical movement, neotectonic framework, subsidence zone, strain value, crustal deformation, China; 08373. tiltmeter, ground deformation study, 11433.

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geodetic parameter
Geoscience Laser Ranging System, three dimensional relative position, range noise, system pointing capability, 07908.

geodetic reference point
updating procedure, digital map, database, 06722.

geodetic reference system
coordinate system, positional data revision, topological relationship, spatial information system, 01014.

geodetic shear strain
Alpine fault zone, triangulation network, Pacific-Australian Plate, plate boundary, strike-slip movement, New Zealand, South Island, Haast; 13032.

geodetic survey
GPS, satellite visibility, strain change, Japan, Kanto; Chubu; 12612. gravity measurement, magnetic measurement, anomaly survey, Latin America; Bolivia; Dominican Republic; 13775. mass movement, seismic refraction, gravimetric investigation, Austria, Badgastein, Graukogel; 12707. surface displacement, earthquake, San Francisco earthquake, Loma Prieta earthquake, strike slip, reverse faulting, USA, California, San Andreas fault; 07168.

geodetic technology
positioning, gravity field, plate tectonics, deformation analysis, 00973.

geodynamic
alluvial, lineament, provence, Cretaceous, sandstone, fault, 03625.

geodynamic event
Quaternary, subduction zone, back arc basin, lithosphere, Philippine Sea; Japan Sea, Gulf of Peter the Great, Vostok Gulf; 10562.

geodynamic evolution
source area, chert, Brioverian, Proterozoic, France, Armorican Massif; 05897.

geodynamic problem
GPS, gravimetry, USA, Wyoming, Yellowstone National Park; 00975.

geodynamic setting
basin, brine, Messinian, sea water, anoxic brine, Mediterranean Sea, Bannock Basin; Tyro Basin; 10580.

geodynamical evolution
extensional tectonics, graben, fault reactivation, tectonic regime, Peru, Western Cordillera, Cajamarca District, Cajabamba Basin; San Marcos Basin; Peru, Western Cordillera, Cajamarca District, Namora Basin; 09493.

geodynamics
Hercynian, basin, volcanic, Permian, fossil, Morocco; 03637. solar forcing, sea level, last glacial interglacial cycle, greenhouse gas, ice sheet model, Pleistocene(Late), ice sheet growth, realistic geography, cryodynamics, Northern Hemisphere; 09544. structural analysis, multiphase deformation, deformation, Borneo, Rajang-Crocker; 04601.

geoecological change
tectonic history, orography, last cold stage, Holocene, fluvial environment, 07135.

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eoecological model
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eoecological monitoring
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eoecological outlook
absolute height, gradient, landscape dynamics, instability, mountain, 11835.
eoecological planning
planning, geomorphological map, map, Germany, Mannheim; 09142.
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landscape analysis, soil, Germany, Saxony, Dresden; 13021.
eoecological study
volcanic complex, rill erosion, volcanic ash soil, sheet erosion, Chile, Andes, Nevados de Chillan; 00361.
eoecology
conference proceeding, geomorphology, lecture, 07133. conference symposia, workshop, international conference, geomorphology, geomorphology, 07134. loess, sand, gravel, soil erosion, groundwater level, environmental problem, Germany, Frankfurt, Main River; 07147. mountain area, montane environment, geomorphological process, land management, reforestation, 11862. relief, geomorphic process, geosystem budget, model, geomorphology, 07129. subalpine heath, periglacial condition, evapotranspiration, tundra, cryogenic process, Permafrost, Sweden, Abisko Valley; 03916.
eoelectrical investigation
crystalline terrain, groundwater resource, electrical resistivity profiling, electrical sounding, groundwater exploration, Brazil, Bahia; 02980.
eoelectrical method
audiomagnetotelluric prospecting, prospecting instrumentation, groundwater investigation, electrical prospecting, 06360. horizontal loop profiling, Slingram method, Precambrian limestone, electromagnetic horizontal loop method, limestone aquifer, groundwater exploration, low frequency geoelectric method, very low frequency resistivity method, electromagnetic bipole method, resistivity method, karstified fracture, Mali, Gondo Plain; 06358.
Geogia kaolinite number 3
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eographic analysis system
atlas, computer, satellite, mapping system, China; 06781.
eographic base
GIS, urban geographic base, municipality, Canada, Montreal; 13993.
eographic coordinate data base
cadastral survey data, land information system, 12814.
eographic data
graphic script, visualisation, 06802. LIS, defence force, terrain analysis, Australia, Queensland; 10474. standard, architecture, exchange, 13878.
eographic data file
digital cartographic data file, USGS, Digital Elevation Model, 12626.
eographic database
enhanced production capability, distributed computing, 06771. GIS, government data, database, Taiwan; 09133. multivariate analysis, natural region classification, climatic element, vegetation type, Japan; 08079. US Bureau of the Census, USGS, TIGER, USA; 05637.
eographic database system
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eographic distribution
backstacking, apatite, fission track stratigraphy, erosional rebound, isostatic rebound, tectonic uplift, tectonic denudation, erosion, 07127.
eographic feature
GOES West satellite, deep convection, sea breeze, cloud, convection frequency, USA; 12462.
eographic function
GIS, quadtree data structure, linear quadtree, 01055.
eographic information
conceptual model, spatial knowledge engineering, computational geography, 10379. database, photogrammetry, 03288. GIS, geographic information value, 06757. index map, map based computerised system, 03377. library, remote database, cataloging method, 08023. maritime data, hydrography, International Hydrographic Organisation, Australia; 10441. policy maker, managing change, 01043. standards, exchange format, microcomputer, commercial system, 01021. terrain intelligence, environmental data, defence force, 10481. toponymic database, atlas database, data standards, national atlas, Canada; 01080.
eographic information processing
FORTRAN, programming, CAM, 01002.
eographic information system
distributed computing, modelling development, GIS, 10318. natural resource, socioeconomic database, land record, transportation, utility database, base map, Taiwan; 10325.
eographic information use
iterative process, information use taxonomy, 06747.
eographic information value
geographic information, GIS, 06757. GIS, cost benefit analysis, economic science, information science, 06754.
eographic interchange
standard, GIS, digital geographic interchange, 13874.
eographic names
foreign spelling, Antarctic name list, 10354.
eographic precision
Landsat image, geometric correcting, 03319.
eographic query
underground facility, digital line graph, GIS, 05771.
eographic research
Space Shuttle, earth photography, videocamcorder, 00946.
eographic resource
soil, topography, vegetation condition index, weather impacts, normalised difference vegetation index, Sudan; 05726.
Geographic Resource Analysis Support System
image processing system, remote sensing, natural resource management, GIS, 01048.
geographic technique merging
cartographic data, data display, hardware improvement, software improvement, 13860.
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cadastral database, land parcel, property information, New Zealand; 01147.
geographical approach
water resource estimation, runoff distribution, water conservation, environmental formation, hydrology, ecological consideration, hydrological technical direction, 07450.
geographical bibliography
geography review, physical geography, Iceland; 10681.
geographical catography
ecological cartography, map, natural resource, 08042.
geographical coordinate
topographic map, gazetteer, USA, North Dakota; 12672.
geographical coordinate system
beta plane approximation, quasi geostrophic approximation, spherical coordinate system, 13584.
geographical correlates exploration
map coverage, GIS, spatial pattern, 13859.
geographical data processing
predicate calculus, mathematical language, GIS, artificial intelligence, 03358.
geographical data system
project management, 10486.
geographical data transfer
GIS, software function, 06761.
geographical database
digitising, manual digitising, scanning technology, error detection, 05575.
geographical distortion
sailing direction map, Chaves rutter, Bahamas; 08026.
geographical distribution
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geographical environment
soil forming rock, landscape zone, loess, cover loam, weathering crust, 08516.
geographical factor
meteorological variable, precipitation, Japan; 08862.
geographical feature
GIS, decision support system, polygon overlay, 05621. method, quantitative characteristics, shape, 02493.
geographical information
land administration, surveyor role, reinstatement boundary, Australia; 07903.
geographical information holdings
street network, census data, database design, Statistics Canada, Canada; 01026.
geographical information system
luvisol, potential gully erosion, gully erosion, Mexico, Hidalgo; 09635. microcomputer, raster, 10327.
geographical information systems
hillslope hydrology, field process investigation, computer modelling, hydrological process, soil physics, catchment scale, sub catchment scale, 10997.
geographical knowledge
model concept, artificial intelligence, model, prediction, expert system, 00201.
geographical landscape
photo montage, Salyut 6, relief form, palaeogeography, Iraq; 06846.
geographical literature bibliography
biogeography, climatology, geomorphology, coastal topic, glacial topic, landform topic, hydrology, soil, physical geography, UK; 09490.
geographical management software
marine information, coastal water, estuary, Netherlands; North Sea; 12623.
geographical map
line drawing recognition, digitiser, 03296. sea level, altitude measurement, USSR; 10265.
geographical morphometry
morphometric analysis, cartography, 09168.
geographical relationship
hypothesis generation, data analysis, digital map database, 03366.
geographical research
archival research, historical source, geomorphology, USA; 13009.
geographical resolution
network access, management issue, labour market analysis, storage structure, 01045.
geographical science
human geography, remote sensing, GIS, academic status, physical geography, China; 01375.
geographical study
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geographical theory
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geographical zone
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geographics
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geohistory analysis
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geohydrochemistry
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geohydrological hypothesis
karst spring, hydrograph, spring, hydrochemistry, decisional statistics, discriminant analysis, validation, France, Charente, La Rochefoucauld Karst System; Lussac Springs; France, Fontaine de Vaucluse Spring; 13065.
geohydrological study
radioactive waste, groundwater flow, water quality, tritium movement, hydrogeology, saturated zone, water balance, waste disposal, USA, Illinois, Sheffield; 11069.
geoiconic
space time model, remote sensing, computer graphic, cartography, geographics, 06711.
geoid
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geoid anomaly
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geoid height
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geoid height anomaly
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geoinformation processing
municipal mapping, GIS, LIS, Netherlands, Utrecht; 02281.
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geoinformation theory
educational institution, production organisation, education, GIS, 01169. GIS, datastructure, user interface, 00997. GIS, geodata, course curicula, context transformation, 13757.
geolinguistics
map, diagram, 02180.
geologic data
geophysics, potential field, digital data, USA; Canada; 04606.
geologic history
erosion, anthracite, microcline, geothermal gradient, pressure, temperature, 03624.
geologic interpretation system
Landsat TM, topographic profiling, 06840.
geologic time scale
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geologic unit
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geological area characteristic
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geological framework
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geological geomorphological analysis
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geological hazard
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geological influence
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Landsat MSS, maximum likelihood classification, region, urban growth, France; 04670. Landsat TM, satellite imagery, habitat mapping, fauna, 02236. landuse inventory, urban landuse, USA, Texas; 09214. landuse, everglades, soil, agricultural area, USA, Florida; 09210. large database, object oriented approach, CAD, 03367. linear quadtree, land suitability classification, data structure, crop production, natural vegetation, UK, Scotland, Deeside Region; England, High Peak District; Kincardine Region; 10406. LIS, cartographic principle, local authority, information analysis, data acquisition, 10317. LIS, digital video, image analysis, 06739. LIS, environmental monitoring, map production, SPOT, New Zealand; 13917. LIS, free market economy,

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LIS, surveying, mapping, USA; 02073. lithologic, structural, topographic influence, remote sensing, snow avalanche path, USA, Montana, Glacier National Park; 03825. local government, distributed GIS, network architecture, 09304. local government, spatial accuracy, spatial reference system, digital cadastral database, 05646. local government, USA, Georgia, Fulton County; 05760. local government, USA; 10455. location decision, planning proposal, residential area, Netherlands, Randstad; 05758. management information system, computer technology, Netherlands; 10319. management, institutional arrangement, 05623. management, intergovernmental network, USA, Nevada, Clark County; 13972. management, park management, three dimensional GIS, Taiwan, Yangmingshan; 09199. management, spatial database, algorithm, data structure, knowledge engineering, computer network, 13817. map based computer system, local government planning, UK, England, Oxfordshire; 10466. map error, map overlay, landscape planning, 05644. map use, symbol, map information, decision making, 11528. mapping, facility management, computer software, digital database, 06764. mapping, mineral resource, resource, Canada, Manitoba, Snow Lake Area; 13906. mapping, public register, Denmark; 12658. market economy, information, commodity, 13822. marketing research, commercial GIS, Canada; 13969. mathematical function, spatial modelling, probabilistic function, logistic regression, 01051. mathematical model, human expertise, uncertainty model, reliability, 01023. mensuration, railway, building databank, Switzerland; 04686. meteorological satellite, crop yield, resolution image, ecological resource, remote sensing, Zambia; 11584. methane flux, anaerobic environment, land cover, inundation classification, USA, Florida, Everglades; 08125. microcomputer, 04552. microcomputer, cartography, 13871. military training, digital mapping, 01166. misuse, models of space, locational referencing, 03362. modelling, regional planning, 13976. mountain, watershed, Nepal; 02253. multi format database, spatial database, database, 13833. multi spectral image, image, entropy, 13791. multicriteria analysis, agricultural land use, policy maker, political conflict, Netherlands; 05741. multiple user, confidentiality, data control, civil liability, 01036. multitemporal data, urbanisation, agricultural land, regional planning, Nepal, Kathmandu Valley; 08083. municipal application, street address file, housing intensification, Canada, Ontario, Toronto; 01158. National Center for Geographic Information and Analysis, academic institution, private industry, government agency, 00948. national park, satellite survey, aerial survey, UK; 09207. natural resource, landscape, ecological research, USA; 06849. natural resource, state, USA, Illinois; 02231. network management, local area network, networking, 01046. networking concept, system communication, 01047. new town development, image overlaying, binary masking, change detection, Hong Kong, New Territories, Tuen Mun; 10407. North American Datum, transformation parameter, data coordinate system, 10264. object based structure, modelling capability, computerised spatial analysis, 05629. oceanography, fishery, environment, navigation, Canada; 02247. oil spill, environmental impact, USA, Florida, Atlantic Coast; Gulf of Mexico; 13922. outage reporting, utility company, reliability indicator, cost, benefit, USA, Connecticut, New Haven; 11632. overlay, microwave, imagery, Canada, Saskatchewan, Melfort; 13846. Palaeozoic, metamorphic rock, radon potential, USA, Virginia, Fairfax County; 10392. peat, resource evaluation, UK, Scotland, Caithness; 12732. petroleum industry, exploration, facility management, three dimensional analysis, 03421. photogrammetric camera, remote sensing, scanner system, raster archive, hybrid, Germany; 06789. photogrammetric data capture system, stereodigitiser, 12602. planners, remote sensing, Landsat, SPOT, 02082. planning agency, spatial analysis, mapping system, USA, California; 03481. planning and design, organisational developments, 05642. planning design, planning legislation, Dutch National Physical Planning Agency, Netherlands; 05647. planning practice, functionality, policy environment, Netherlands; 10454. planning process, information requirement, planning entity, planning attribute, 05761. planning, fire management, USA, California, San Bernardino National Forest; 06884. policy formulation, landuse planning, land evaluation, overlay procedure, UK, Scotland, Grampian Region; 11644. policy recommendation, scientific research, epidemiology, 10480. political condition, bureaucratic structure, public organisation, 12664. pollution information, tidal mixing, harbour, raster, USA, Massachusetts, Boston; 06908. pollution modelling, remote sensing, soil vulnerability assessment, groundwater vulnerability assessment, 09192. polygon processing, CADD, drafting and design, spatial analysis, 06778. process error, raster data structure, rasterisation, cell size, vector structure, 12675. project planning, project management, database construction, strategic implementation, 01037. 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SAR, image analysis, simulation, 01009. satellite data, climatological data, vegetation monitoring, meteorological data, image analysis, 13947. sea surface, sea bed, hazard prediction, hydrocarbon drilling, Canada, Labrador Shelf, Grand Banks; 13907. semantic relationship, temporal relationship, query interface, DBMS, data model, 01058. semantics, object oriented database, object type, query language, 01059. sewer, digital map, networked software, USA, St. Louis; 11631. shoreline management, flood damage, hazard, Canada, Great Lakes; 13954. SICAD, ATKIS, data structure, 11501. site change monitoring, gasoline station, storage tank, USA; 06933. site selection, building, environmental group, 01153. snow avalanche path, morphometric information, buffer, probability map, USA, Montana, Glacier National Park; 03460. society, decision making, research, 01034. socio economic variable, demographic variable, postal code, Canada; 13995. software design, information sharing, 13825. software function, geographical data transfer, 06761. software package, thematic mapping, file format, 01007. software, database technology, data provision, 09121. soil conservation, regional level study, soil database, USA; 09189. soil degradation, marginal land, soil map, Canada, Saskatchewan; 01098. soil erosion, salinisation, water resource development, environmental conservation, surface water quality, water resource, catchment degradation, flow regulation, irrigated land, Ethiopia, Awash River; 13465. soil mapping, soil analysis, quadtree, Hungary; 11541. SPANS, park resources, wildlife monitoring, forest fire management, 01119. spatial analysis technology, statistics, computational geography, 05628. spatial analysis, crime analysis application system, urban crime, USA; 05780. spatial data format, 10334. spatial data, inventory, data resource pyramid, 13937. spatial data, vector, raster, 04540. spatial data, water resource, watershed, 11512. spatial information system, decision support, Netherlands; 10329. spatial information, map processor, visual information manipulation, quantitative information manipulation, archaeological study, Canada, British Columbia, Thompson River Valley; 06931. spatial information, planning, 05622. spatial pattern, geographical correlates exploration, map coverage, 13859. spatial pattern, radiation, radiation flux, Landsat TM, 09174. SPOT, land use analysis, landcover analysis, land use change, 08080. SPOT, urban expansion, 12802. spread rate, weather data, fire behaviour modelling, Canada, Manitoba; 01109. stand index, Landsat TM, Scots pine, forestry detection, 09237. standardisation, classification, Netherlands; 02151. statistical area, street network, postal code, Canada; 13967. statistical evaluation, thematic map accuracy, land use, land cover mapping, database development, USA, Florida; 05645. Statistics Canada, cross-sectoral analysis, environmental condition, Canada; 01032. statistics, population, census, microdata, 04685. stereoscopic photography, stereozoom transfer scope, photogrammetry, three-dimensional coordinate, 13772. stochastic model, soil salinity, herbaceous cover, kriging, interpolation, Israel; Botswana; 03364. subdivision planning, residential area, Canada, Saskatchewan, Saskatoon; 13973. surface water quality, pollution control, nonpoint source pollution, detention basin, remote sensing, USA, Texas, Trinity River; 00553. survey control, position related activity, Canada, Alberta; 01015. surveying technique, georeferenced information, GPS, 10240. system information, intergovernment, USA, Vermont; 06939. system resource utilisation, performance evaluation, 05643. technical issue, funding, strategic plan, cost-benefit analysis, 01069. technological development, research, 05614. telecommunication, network, Switzerland; 04676. telephone company, automated mapping, data conversion, 11630. temporal change, nuclear waste repository, time, USA, Nevada, Yucca Mountain; 01025. temporal ecological phenomena, spatial ecological phenomena, raster, vector data, ecological research, 06803. terminology, topographic reference, France; 12659. terrain analysis, military data acquisition, Australia; 10483. terrain analysis, minefield site, inference system, expert system, 08143. terrain analysis, storm water model, surface flow, subsurface flow, urban hydrology, design flow, drainage analysis, USA, North Carolina, Asheville; 12167. thematic map, satellite data, regional planning, 05757. thematic mapping package, local planning agency, land parcel mapping, urban planning, CAD, USA, California; 10457. thematic mapping, land cover, map, CORINE, EEC, Europe; 02232. Third World, regional planning, 04672. TIGER, decision support systems, 05634. TIGER, USGS, digital database, Census Bureau, USA; 01030. timberland, multi source base map, base map, forest management, 09226. topographic survey, thematic information, India; 13840. topographical mapping, cartographic ethics, social theory, map, 09148. trafficability rating, land resource, expert system, field calibration, Australia, Queensland, Cape York Peninsula; 10469. training aid, func-

tionality, aid agency, Africa; 11496. training, cadastral training, database, 01168. training, education, 01171. transport, health care, forestry, regional planning, decision support, land information, property information, Europe; 10323. transportation modelling, 04681. transportation network, network overlay, 06925. transportation planning, software package, USA, Pikes Peak Area; 06928. transportation planning, strategy, regional planning, 04679. triangular irregular network, geometric property, analytical geometry, topological relation, simplicial complex theory, 08018. Universal Soil Loss Equation, database, soil conservation, Ethiopia, Awash Basin; 08071. urban and regional planning, teaching, 12807. urban development, developing country, environmental data, Tanzania, Dar es Salaam; 06935. urban development, rural development, simulation modelling, ecological planning, USA, Indiana; 01066. urban environment, database management system, Canada, New Brunswick, Fredericton; 10459. urban environment, transportation cost, decision strategy, utility provision, USA, Florida, Gainesville; 06927. urban geographic base, municipality, geographic base, Canada, Montreal; 13993. urban landuse planning, low-income housing, urbanisation, Malaysia, Kuala Lumpur; 10464. urban management, GIS function, data format, three-dimensional digital map, expert systems, Japan; 05763. urban management, urban development, 10461. urban planning, cadastre, Hong Kong; 04669. urban planning, LIS, 04674. urban planning, regional planning, Brunei; 04671. urban planning, regional planning, decision support system, spatial analysis, 05616. urban planning, regional planning, developing country, 11637. urban, rural development, Netherlands; 06936. user interface design, human factor research, 06773. user need, feasibility study, implementation practice, corporate GIS, 13824. utility company, cost benefit analysis, implementation plan, 09125. utility mapping, Ireland, Limerick; 10463. vector overlay, raster technology, vector technology, 06762. vegetation monitoring, crop information system, satellite data, 03425. vegetation pattern, digital soil map, SPOT, USA, Wisconsin; 08084. vegetation survey, reforestation, Sudan, Kordofan, Kazgail; 09242. vehicle routing, database, 05648. video data, GPS, positioning system, 01010. video technology, environmental change, 06851. viewshed, image processing, USA, North Carolina, Watauga County; 11549. vineyard, rural management, agricultural diversification, France, Languedoc Roussillon; 10419. visualisation, environmental assessment, forestry, UK, Scotland, Aviemore; 12681. volcanic terrain, severe gully erosion risk, conservation priorities, gully erosion, modelling, Mexico, Tlalpujahua; Huasca; 12031. water management, ecological map, ecological model, natural resource, USA, Florida; 06861. water management, implementation cost, mapping, Canada, British Columbia, Vancouver; 13929. water management, USA, Florida; 05772. water quality, water quantity, non point source, finite element method, catchment runoff, 10452. water regulation, inventory, resource management, USA, Florida; 06900. water resource management, user support, USA, Florida; 06906. watershed management, remote sensing, land evaluation, ILWIS, 13842. wildlife management, tortoise, habitat, forest, USA, Florida, Ocala National Forest; 06885.

GIS application
digitising table, scanning digitiser, CCD scanner, 07932.

GIS concept
pilot study, national water management, benchmarking, commercial GIS, 10453.

GIS coordination
system networking, defence GIS, Australia; 10482.

GIS database
sample generation method, thematic map accuracy, land use mapping, USA, Florida; 08081.

GIS design
design complexity, GIS, 06774. GIS evaluation, database, data representation, 06745.

GIS education
curriculum development, information technology, 05782.

GIS evaluation
database, data representation, GIS design, 06745.

GIS function
data format, three-dimensional digital map, expert systems, GIS, urban management, Japan; 05763.

GIS graphics
cartographic tradition, cartographic principle, 08047.

GIS instruction
AUTOCAD, GIS, graphics database, SQL, 01077.

GIS pilot study
system viability, spatial referencing, UK, England, West Yorkshire, Kirklees; 08012. water management, benchmarking, 08011.

GIS professional
salary, employment, USA; 10238.

GIS software
analysis, conventional GIS package, 05633.

GIS standard
data management, data integration, spatial data transfer standard, 05640.

GIS standards
knowledge based GIS, education, management, GIS, environment, 02137.

GIS technology
map publishing, computer graphic technology, mapping technique, 08039. planning process, urban planning, regional planning, 05759.

GIS toolkit
digital image processing, satellite image data, geological mapping, mineral exploration, GIS, China, Xinjiang; 06816.

GIS trend
industry change, Intel microprocessor 80386, 08000.

GIS tutor
spatial data processing, GIS, 06772.

GKS
computer graphics, curve specification, Computer Graphics Metafile, ISO, 00990. interactive graphics, X-Window System, tiling, 00991.

glacial
geosoil traverse, stratotype, European Loess Belt, Mediterranean Belt, Coversand Region, Rocourt soil, climatic condition, last interglacial, Italy, Sardina; Belgium; Greece; 07266. interglacial, alkalinity, polar ice, cadmium, planktonic foraminifera, Holocene, North Atlantic Deep Water, carbon dioxide, 00911. interglacial, change, isotopic gradient, surface water, glacial circulation, Southern Ocean; 02621. interglacial, microparticle concentration measurement, climatic implication, ice core, Antarctica, East Antarctica; 03848. interglacial, terrestrial, marine temperature estimate, test, GCM simulation, palaeoclimate, Indian Ocean; 04964. isostatic adjustment, tide gauge, secular, sea level change, global signal, 11976. lacustrine process, morphogenesis, palaeogeographical change, topographic expression, marine shell, marine, Svalbard, Spitsbergen, Billefjorden; Austfjorden; 02521. monsoon, oceanic circulation, continental margin, oxygen minimum zone, interglacial, Arabian Sea, ODP Site 724; Oman Margin; Arabian Sea, ODP Site 725; 11693. periglacial, humid temperate, semiarid, insolation, topographic asymmetry, insolation, asymmetry, 03702. Quaternary, climate modelling, Boolean delay equation, hydrological feedback mechanism, thermohaline circulation, feedback mechanism, 08423. sedimentary sequence, overdeepened basin, erosion rate, till, melt water channel, eroded terrace, fluvial gravel, Switzerland, Mittelland; Seeland; 11961. volcanic geomorphology, andesite, cone collapse, corrie, dacite, debris avalanche, glacial valley, lahar, Quaternary(Late) sequence, moraine, rhyodacite, volcanic evolution model, Ecuador, Andes, Chimborazo-Carihuairazo Massif; 02516.

glacial abrasion
theory, abrasion rate, shear stress, ice bed interface, laboratory simulation, 07221.

glacial advance
glacial stratigraphy, till, melt water deposit, TL dating, Menapian age, Elsterian, Holsteinian, Saalian, Denmark, Jutland; 05004. moraine, talus, glacierisation, lichenometric study, Holocene, rock glacier, neoglacial moraine, Rhizocarpon, Canada, Northwest Territories, Frances Lake; Yukon Territory, Frances Lake; 08508. Salmon Lake glacial unit, relative age data, Stewart River glacial unit, relative dating, moraine, boulder weathering, moraine morphometrics, USA, Alaska, Kigluaik Mountains; 04993.

glacial advance stage
Annapurna, Little Ice Age, Gangapurna, Neoglaciation, Pisang, Manang, Buradhan, Omdu, moraine, monsoon, glacial landform, Nepal, Himalayas, Manang Valley; 03884.

glacial Atlantic
ice core, climate change, salinity, conveyor circulation, salt oscillator, Greenland; Atlantic; 03854. scale analysis model, thermohaline circulation, melting rate, Younger Dryas event, salinity flux, continental ice volume, oscillator feasibility, salinity driven oscillator, salt oscillator, Atlantic; 08441.

glacial bed
groundwater, pollution, hydrogeology, moraine landscape, Denmark, Arhus; 07554.

glacial boulder
transport, till lithofacies, boulder transport, shield area, Canada, Quebec; Finland; 06119.

glacial chronology
Little Ice Age, radiocarbon, neoglaciation, dendrochronology, Holocene, USA, Alaska, Kenai Mountains; 03026. radiocarbon dating, rock varnish, palaeoclimatic implication, Tioga glaciation, Middle Creek glaciation, Younger Dryas, accelerator mass spectrometry, Pleistocene(Late), lake shoreline, USA, Basin and Range Province; 00305.

glacial circulation
glacial, interglacial, change, isotopic gradient, surface water, Southern Ocean; 02621.

glacial climate
antiglacial climate, subarctic climate, subtropical climate, climate type, oceanic climate, continental climate, Bacsaks climate type, Milankovic theory, 08417. Loch Lomond stadial, Younger Dryas, Nahanagan Stadial, geomorphological mapping, radiocarbon date, UK; Ireland; 13121. symmetric circulation, equable climate, climate dynamics, 12427. vegetation, palynological evidence, Subantarctic forest, Magellanic moorland mosaic, rainfall, hygrophyllous plant formation, Chile, Isla de Chiloe; 05015.

glacial climate change
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Holocene peat
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Holocene pedogenesis
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Holocene pollen record
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Holocene sand
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Holocene sea level
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Holocene sediment
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Holocene terrace
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Holocene transgression
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hopanoic acid
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information revision
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information service
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information sharing
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information use taxonomy
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information value
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infrared channel
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infrared colour photograph
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infrared cooling

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infrared imagery
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infrared limb emission
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infrared method
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infrared model
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infrared observation
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infrared radiance
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infrared radiation
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Infrared Radiation Sounder
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infrared reflectance
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infrared remote sensing
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infrared satellite image
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infrared sensor
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infrared shoulder reflectance
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infrared soil spectrum
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infrared solar occultation spectra
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infrared vegetation index
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inheritance principle
inheritance, new formation, geomorphology, relief formation, 11832.
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initial condition
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initial contributing area
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initial state
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initial value
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initial weathering product
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inlet channel
shoreline, estuary, abandoned channel, mangrove, South Africa, Zululand; 10537.
inlet hydraulics
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inner relative
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inner shelf
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Innerkip site
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innershelf
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inorganic acidic aerosol
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inorganic aluminium
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tionship, hydrogen, USA, New Hampshire, Hubbard Brook Experimental Forest; 04089. throughflow, rainfall intensity, stormflow hydrochemistry, upland catchment, runoff chemistry, flow path, subsurface flow, surface water chemistry, rainfall duration, dry antecedent condition, soil pipe, UK, Wales; 04094.

inorganic aluminum
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inorganic anion
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inorganic base
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inorganic carbon
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inorganic fraction
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inorganic ion
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inorganic ion exchanger
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inorganic monomeric aluminium
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inorganic nitrogen
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inorganic nutrient
nitrogen, phosphorus, phytoplankton, fish farm effluent, surface water contamination, algae, macrophyte, nutrient, UK, England; 01688.

inorganic particle
ion, sulphate, nitrate, aerosol, size distribution, accumulation mode, condensation, droplet, impactor, USA, California; 06576.

inorganic particular matter
risk assessment, chromium, air quality, pollution monitoring, urban atmosphere, PAH, PCBs, volatile organics, Canada; 01980.

inorganic phosphate
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inorganic phosphorus
phosphorus fraction, parent material, cropping management, organic phosphorus, 10884. sequential-fractionation procedure, Olsen-phosphorus soil, phosphorus, calcareous soil, USA, Montana; 12071.

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inorganic substance
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inorganic sulphur
pyrite sulphur, sulphur dynamics, sulphur fraction, ester sulphate, carbon bonded sulphur, organic sulphur, USA, Louisiana; 13288.

inorganic trace compound
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inositolic phosphate
Chernozem, fertilisation, phosphorus, cultivation, 13246.

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INQUA
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INSAT satellite measurement
monsoon failure, tropical storm, storm, cyclone, intraseasonal oscillation, monsoon, Asia; 12335.

insect assemblage
Coleoptera, beetle, climatic amelioration, Vistulian(Late), Poland, Zabinko; 09593.

insect evidence
Quaternary(Late), climatic change, packrat midden assemblage, fossil, USA, Texas, Chihuahuan Desert, Big Bend Region; 03871.

insect fauna
thermal environment, Mutual Climatic Range Reconstruction Package, beetle, climatic change, Younger Dryas, palaeoclimatic reconstruction, palaeoenvironmental reconstruction, fossil insect assemblage, Weichselian(Late), pollen stratigraphy, Sweden, Toppeladugard; 09589.

insect remains
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insecticide residue
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insecticide spraying
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oil, biomarker, mass spectrometer, tandem mass spectrometry, gas chromatography-mass spectrometry, 05974.

inshore flux
fresh water salt water interface, salinity front, density front, tidal motion, coastal water, inshore offshore waters interface, offshore near surface flux, France; UK, England, Dover Strait; 05197.

inshore offshore waters interface
offshore near surface flux, inshore flux, fresh water salt water interface, salinity front, density front, tidal motion, coastal water, France; UK, England, Dover Strait; 05197.

inshore seagrass beds
dugong, radio transmitter, Australia, Queensland, Great Barrier Reef; 03454.

inside out weathering
boulder, glacial outwash gravel, quartzofeldspathic sandstone, weathered core, mica hydration, weathering, greywacke type sandstone, outwash gravel, New Zealand, North Westland; 09630.

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Milankovitch theory, periodic variation, Pleistocene(Late), speleothem abundance, UK; 10782.

insoluble trace gas
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instantaneous unit hydrograph
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Institute of Hydrology
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institutional development
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instream flow benefit
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instream flow policy
wildlife habitat, stream flow, water marketing, instream flow benefit, water recreation, fishing, USA; 01788.
instruction
Landsat TM, research material, South America, Andes; 04613.
instrument
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instrument degradation
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instrument development
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instrumentation
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instrumented
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insulator
roadway, frost, de-icing salt, freeze thaw action, Canada, Quebec; 03914.
insurance
claim assessment, drought plan, insurance record, road network, agricultural resource inventory, Canada, Ontario; 01165. weather service, Weather Sensitivity Analyses, road transport, 05312.
insurance rate
flow magnitude, flow frequency, debris flow, predictor variable, land zoning, USA, California, Los Angeles; 09519.
insurance record
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integlacial correlation
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integral model
electrical generation, dispersion, plume model, cooling tower, diffusion, 12364.
integrated decision aiding simulation methodology
oil spill, water resources management, computer model, numerical model, linguistic model, pictorial model, 06398.
integrated GIS
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integrated information system
regional analysis, GIS, land allocation, population, economic base, USA, Houston; 06913.
integrated model
sulphate, snowmelt quality, snowmelt quantity, seasonal variation, snow accumulation, 02934.
integrated resource management
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integrated spatial data
GIS, data display, data analysis, 06769.
integrated spatial data set
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integrated water management
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intelligent data structure
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Joana limestone
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Kamieniec Shale Formation
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Kewaunee soil
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Mitchell soil
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Multiwell Experiment
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Mundallio Subgroup
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municipal GIS
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municipal government
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Munster creek flood event
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Munsterian
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Muravo interglacial stage
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Murrays model
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Murree Group
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Muschelkalk Facies
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Museo de la Plata
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Muskat theory
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Muskiki Formation
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Muskingum Cunge method
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Muskingum formula
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Muskingum-Cunge routing scheme
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muskoxen
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mussel culture
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Mussoorie rockphosphate
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Mutual Climatic Range Reconstruction Package
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Mytilus edulis
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n-alkane
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n-alkanoic acid
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n-butane
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n-alkane
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n-alkene
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n-propyl nitrate
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Nahanagan glaciation
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Nahanagan Stadial
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Namazga
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Nambayama Formation
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Namurian
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nannofossil
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nannoplankton stratigraphy
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Nansen Formation
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naphthalene
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Napier Formation
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Naredi Formation
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NASA data system
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Nash Unit Hydrograph
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Nash-Dooge linear reservoir cascade
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National Acid Precipitation Assessment Program
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National Atlas
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National Cartographic Database
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National Center for Geographic Information and Analysis
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national data system
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national database
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national economy
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National Gazetteer database
local research, place name study, USA, California, Los Angeles County; 05785.
National Geodetic Information System
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National Hydrology Research Institute
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national land survey
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national mapping
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National Mapping Program
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National Meteorological Center
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national meteorological service
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National Park
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National Remote Sensing Hydrology Program
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National Rivers Authority
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National Space Development Agency
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National Space Science Data Center
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National Stream Survey
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National Topographic Data Base
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national water management
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National Water Quality Assessment Program
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National Weather Service River Forecast System
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National Weather Service River Forecast System model
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NATO
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natrolite
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natural boundary
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natural catastrophe
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natural cavity
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natural clay
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natural dam
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natural disaster
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natural emission
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natural environment
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natural history
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natural invasion
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natural landscape
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natural rainfall
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natural regeneration
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natural region classification
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natural resource
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natural vegetation
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NCAR CCM
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NCGIA
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Pleistocene coral
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Pleistocene deposit
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Pleistocene Holocene transition
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Pleistocene marine palaeoclimate
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Pleistocene periglaciation
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Pleistocene pollen record
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Pleistocene relief
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Pleistocene site
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Pleistocene soil
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Pleistocene test
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Pleistocene water
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Pleistocene yedoma
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Pleistocene(Early)
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Pleistocene(Early) age
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Pleistocene(Early) deposit
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Eocene, Roda Sandstone, Spain, Pyrenees; East China Sea; 09400. Holocene, base level change, flood plain, channel sand, braided channel, meandering, last interglacial, geomorphic surface, channel characteristic change, India, Ganga River Valley; Kanpur; 02505. Holocene, deepwater circulation, melt water discharge, ocean ventilation rate, ventilation rate, circulation fluctuation, last deglaciation, mean grain size, detrital silt fraction, piston core, palaeocirculation pattern, Atlantic, Blake Outer Ridge; 10744. Holocene, flora change, Pleistocene(Middle), interglacial flora, glacial flora, interstadial flora, pollen assemblages, Japan, San-in District; 05030. Holocene, foraminifera, pteropoda, Quaternary(Late) sediment, core TEV 1 BAN 85, palaeoclimatology, Tyrrhenian Sea; 08447. Holocene, radiolarian, pollen record, core, oxygen isotope stratigraphy, Late Glacial, Holocene, global cooling, Okhotsk Sea; 10750. Holocene, relief remodelling, geomorphological mapping, glacier, Petuniabukta-Adolfbukta Stage, Marine terrace, Ebbadalen Stage, Thomsondalen Stage, Little Ice Age, Svalbard, Spitsbergen, Olav V Land, Ebbadalen-Nordenskioldbreen Region; 02646. Holocene, sea level change, glacio hydro isostatic model, tectonic movement, Australia; 06188. Holocene, sea level, mantle viscosity, isostatic loading, lateral variation, glacial loading, hydroglacial loading, 13027. Holocene, sedimentary facies, continental shelf, delta, prodelta mud, progradational sequence, Spain, Ebro Continental Shelf; 06100. Holocene, uplift, climate, vertebrate fossil, archaeological find, microlithic tool, China, Xizang Plateau; Qinghai Plateau; 10791. Holocene, vegetation, environmental record, pollen, sedimentological evidence, aridity, charcoal, burning, Aboriginal people, Australia, Victoria, Wangoom Lake; 04986. hydrography, planktonic isotope record, benthic isotope record, stable isotope record, foraminifer, glacial interglacial amplitude, surface water temperature, cooling event, carbon accumulation rate, upwelling, monsoon, Indian Ocean, ODP Site 724; Arabian Sea, ODP Site 724; 11922. ice sheet growth, realistic geography, cryodynamics, geodynamics, solar forcing, sea level, last glacial interglacial cycle, greenhouse gas, ice sheet model, Northern Hemisphere; 09544. lake shoreline, glacial chronology, radiocarbon dating, rock varnish, palaeoclimatic implication, Tioga glaciation, Middle Creek glaciation, Younger Dryas, accelerator mass spectrometry, USA, Basin and Range Province; 00305. last glacial maximum, last interglacial, sea surface temperature, CLIMAP, long range transfer function, foraminifer transfer function, Atlantic, (North); 11918. last interglacial glacial cycle, Eemian interglacial, Amersfoort Brorup interstadial, vegetation, climate, Europe; 06143. monsoon, upwelling, environmental gradient, coastal wind, coastal upwelling gradient, Indian Ocean; Arabian Sea; 11919. palaeoclimatology, flux pattern, biogenic sediment, mass accumulation rate, opal flux maxima, productivity, atmospheric carbon dioxide, ice volume, Pacific; 11929. palaeoenvironment, radiocarbon dating, pollen analysis, depositional process, post depositional process, rock shelter, Italy, Venetio Region; 06163. periodicity, oxygen isotope ratio, calcium carbonate, magnetic susceptibility, high resolution stratigraphy, planktonic foraminifer, sediment accumulation rate, SPECMAP, Milankovitch periodicities, Indian Ocean, ODP Site 728A; Arabian Sea, ODP Site 728A; 11923. sea level change, morphologic investigation, ESR dating, coral reef, palaeosealevel elevation, Barbados model, uplift rate, Pleistocene(Middle), chronology, Barbados; 00319. sea surface temperature, North Atlantic Deep Water, Younger Dryas, deep water chemistry, productivity, Atlantic, (North); 06096. sea surface, water temperature variation, long chain alkenone, sea surface temperature variation, glacial period, interglacial, Indian Ocean; Arabian Sea; 11926. seasonal upwelling, interglacial episode, palaeoproductivity, water column scavenging, erosion, winnowing, Uranium-series disequilibrium, particle scavenging, sediment accumulation, Indian Ocean; Arabian Sea, Owen Ridge, ODP Site 722; 11927. sedimentary structure, palaeochannel, buried depth, Holocene, channel sediment, China, Shandong, North Shandong Plain; 11860. speleothem abundance, insolation variation, Milankovitch theory, periodic variation, UK; 10782. stadial, interstadial, Eemian age, stratigraphy, Weichselian, till stratigraphy, glacial history, Norway, Finnmark, Finnmarksvidda; 06130. temperature depression, vegetation change, pollen, phytolith, radiocarbon dating, Napo refugium, refugial hypothesis, Ecuador, Amazonia; 07207. terrace surface, marker tephra, chronology, fluvial terrace, debris supply, Japan, Kitakami Lowland; 13178. terrestrial sediment, Pleistocene biostratigraphy, pollen, Pleistocene(Middle), extinct palynomorph, New Zealand, Wanganui Basin; 03851. 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Pleistocene(Late) deposit
second step platform, Salawusu Group, sporo pollen analysis, China, Nei Mongol, Ho Bao Basin; 08489.

Pleistocene(Late) dune
karst, slope, reef exhumation, geomorphology, Devonian reef, Windjana Limestone, Pillara Limestone, Napier Formation, foot slope pediment, rillenkarren, tufa, gilgai, Australia, Western Australia, Napier Range; 07150.

Pleistocene(Late) reef
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Pleistocene(Late) sea level
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Pleistocene(Lower Middle)
biostratigraphic succession, Villafranchian, Farneta faunistic unit, Equus caballus, equid, Italy; 08488.

Pleistocene(Lower)
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Pleistocene(Mid)
climate transition, one-dimensional time dependent ice sheet model, ice sheet, equilibrium line, feedback, oxygen isotope record, palaeoclimatic model, 00268. landscape, climatic change, transgressive-regressive coastline, Acheulean site, karstic environment, cryoclastic activity, soil ripening, climatic deterioration, micromorphological evidence, UK, England, Somerset, Mendips; Sussex, West Sussex, Boxgrove; 01441.

Pleistocene(Middle)
alucrete, silcrete, duricrust, morphostratigraphic marker, planation surface, ferricrete, Nigeria, Jos Plateau; 06006. beach ridge, Tyrrhenian, sea level, barrier island, subsidence area, fault, Spain, Alicante; 06982. carnivore remains, Ursus spelaeus remains, Canis lupus remains, Vulpes vulpes remains, Panthera spelaea remains, Aurelia formation, Italy, Rome Region; 08487. chronology, Pleistocene(Late), sea level change, morphologic investigation, ESR dating, coral reef, palaeosealevel elevation, Barbados model, uplift rate, Barbados; 00319. Cromerian, palaeomagnetic measurement, Thames-Medway river system, geology, interglacial sediment, borehole, channel sediment, pre-diversion Thames, UK, England, Essex, Little Oakley; 02664. eruption style, accumulation rate, loess, soil thickness, age, stratigraphic horizon, Omachi APm Tephra Beds, Japan, (central); 02675. extinct palynomorph, Pleistocene(Late), terrestrial sediment, Pleistocene biostratigraphy, pollen, New Zealand, Wanganui Basin; 03851. fault block movement, sea level rise, Osaka Group, Manchidani Unconformity, Rokko Movement, Japan, Kinki; 08502. glacial stratigraphy, Moore Glaciation, till, Henty Glaciation, outwash gravel, climatic change, glaciation, weathering, Australia, Tasmania, Baxter Rivulet; 06134. glaciomarine deposit, push moraine complex, ice lobe, glacio isostasy, sea level, USA, Alaska, Baldwin Peninsula; 00292. hydrographic network, wadis, relict valley, Villafranchian, rillwash, sheet flood, braided stream, stream channel, Morocco, Sahara, Daoura Hamada; Algeria, Sahara, Saovra Hamada; 08460. interglacial deposit, Cromerian age, ostracod fauna, UK, England, Essex, Little Oakley; 02668. interglacial deposit, environmental implication, stratigraphic implication, palaeochannel, molluscan fauna, UK, England, Essex, Little Oakley; 02667. interglacial flora, glacial flora, interstadial flora, pollen assemblages, Pleistocene(Late), Holocene, flora change, Japan, San-in District; 05030. transgressive complex, soil chronosequence, Latina Complex, intercalated volcanite, Complesso dei Tufi Inferiori, isotopic stage 15, Minturno Complex, isotopic stage 5, stratigraphic hiatus, radiometric dating, Italy, Agro Pontino; 08498.

Pleistocene(Middle) glaciation
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Pleistocene(Upper)
carbonate, reef-associated carbonate, reef terrace, glacio eustatic, sea level, sediment accumulation rate, tectonic uplift, sedimentology, sequence stratigraphy, Barbados; 07274. dust, steppe environment, post depositional weathering, pluvial period, loess, loess like deposit, palaeoclimatic significance, France; Italy; Africa, (North); 07216. Holocene, terrace, flood plain, Germany, Main River, Kahl River; 00222. lithostratigraphy, Riss Wurm interglacial, paleosol, Hagelstadt brickyard, chronological classification, pedostratigraphy, Quaternary profile, Germany, Bavaria, Hagelstadt; 06162. loess, aeolian loess, reworked loess, Italy, Turin Hills; 07212. loess, Bagaggera sequence, pleniglacial period, Holocene, illuviation, weathering, sedimentary process, pedological process, Italy; 07210. maar, vegetational history, Ribains interglacial, St Geneys, interstadial, Pleniglacial, Les Echets sequence, pollen analysis, France, Massif Central, Velay, Le Bouchet Lake; 03895. sediment homogeneity, sedimentation characteristic, Ogolian sand, sand sample, dune, sandsea, aeolian sedimentation, erg, Senegal, Mbour; Mauritania, Nouakchott; 10759. terrace, tectonic dislocation, Cutro terrace, Leonardo Campolongo Isola di Capo Rizzuto Terrace, Le Castella Capo Rizzuot Terrace, Capo Colonne Terrace, sea level lowering, Crotonian stage, marine regression, Eutyrrhenian, Neotyrrhenian, Tyrrhenian Stage, Italy, Calabria, Crotone Peninsula; 08499.

Pleistocene-Holocene
migration, siliceous microfauna, Subtropical Convergence, Antarctic Polar Front, oceanographic front, faunal change, Indian Ocean; 00278.

Pleni Vistulian grain
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Pleni-Vistulian deposit
Last glaciation maximum, Leszno phase, Poznan Phase, Gniezno Oscillation, meltwater, terrace, outwash plain, Poland, Pyzdry Basin, Prosna River, Macew; 00310.

pleniglacial
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pleniglacial dust
dust storm, late Quaternary, dust flow, loess, dust flux, glacial maximum, last interglacial, China, Loess Plateau; 11973.

pleniglacial environment
Holocene, palaeoenvironment, paleosol, palaeohydrology, tephrochronology, geochemistry, radiocarbon dating, France, Massif Central, Limagne Rift Valley, Artiere Basin; 10785.

pleniglacial period
Bolling, Older Dryas, Allerod, Younger Dryas, wind, Weichselian(Late), Holocene(Early), vegetation, climate, flora migration, pollen diagram, Norway, North Rogaland, Utsira; 08481. Holo-

cene, illuviation, weathering, sedimentary process, pedological process, Pleistocene(Upper), loess, Bagaggera sequence, Italy; 07210.

pleniglacial phase
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Pleniglacial(Middle)
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sediment weathering, lacustrine level, chlorococcal algae, Typhaceae pollen, sterol content, humic acid, fulvic acid, organic wall, microfossil, organic substance, Holocene sediment, marine level, dinoflagellate cyst, Brazil, Rio de Janeiro, Guarapina Lagoon; 08458.

pollen index
sedimentological index, geochemical index, fire history, historical reconstruction, boreal forest, forest fire history, lake sediment, charcoal index, Canada, Alberta, Wood Buffalo National Park; 08472.

pollen input
dinocyst productivity, lake level, uranium-thorium chronology, correlated record, oceanic record, continental record, hydrology, palaeoclimate, Africa, (North); 09566.

pollen rain
arid environment, Burkard trap, pollen reentrainment, USA, Arizona, Tucson; 00279.

pollen ratio
climate change, carbon dioxide, Global Change Program, tree ring chronology, deuterium, tree line stand, 10140.

pollen record
core, oxygen isotope stratigraphy, Late Glacial, Holocene, global cooling, Pleistocene(Late), Holocene, radiolarian, Okhotsk Sea; 10750. deep sea core, V28-304, RC 14-99, regional vegetation, gymnosperm, angiosperm, glacial interval, Japan; 04967. environmental change, climatic condition, Quaternary(Late), Uganda, Rukiga Highlands; 04980. global forcing, Younger Dryas, Chile; Argentina; 09550. last interglacial glacial cycle, sedimentation rate, radiometric dating, Grande Pile, Austria, Alps, Eastern Alps; 06089. Pleistocene pollen record, Holocene pollen record, latitudinal vegetation zonation, land-sea comparison, last glacial-interglacial transition, Senegal; Mauritania; 02629.

pollen reentrainment
pollen rain, arid environment, Burkard trap, USA, Arizona, Tucson; 00279.

pollen remain
lake varve, ocean sediment, glacier termini, climate change, observing climatic change, climate monitoring, 04329.

pollen sequence
Holsteinian, Holsteinian-Mazovian interglacial, Hoxnian, Ferdynandovian, interglacial, Poland; UK, England; 01442. lake level history, ice core data, Little Ice Age, glacial history, palaeoclimate, radiocarbon dating, climatic condition, snowline, Peru, Andes; Bolivia, Andes; 02624. peatbog, radiocarbon date, grassland, last glacial, humid montane forest, Holocene, Iron Age, Zaire, Burundi Highlands; 09573.

pollen spectra
Eemian Interglacial flora, gyttja, till, lacustrine landscape, interglacial, flora, Poland, Warsaw, Kasprzak Street; 00313.

pollen spectrum
ice sheet, firn, Greenland, South Greenland, Dye 3 Site; 07246.

pollen stratigraphical data
Holocene, global climatic pattern, simulation, vegetational response, climatic reconstruction, Europe; 03891.

pollen stratigraphy
insect fauna, thermal environment, Mutual Climatic Range Reconstruction Package, beetle, climatic change, Younger Dryas, palaeoclimatic reconstruction, palaeoenvironmental reconstruction, fossil insect assemblage, Weichselian(Late), Sweden, Toppeladugard; 09589. magnetostratigraphy, palaeomagnetic age, Plio Pleistocene, Tsunozu Formation, sedimentation rate, Japan, San'in District, Tsunozu Area; 04952. palaeolake, Allerod, Younger Dryas, eustatic sea-level rise, radiocarbon date, Tapes transgression, sea level, Norway, Sunnmore; 00321. palaeomagnetic secular variation, radiocarbon chronology, lake sediment, Allerod, Younger Dryas, vegetation history, Late Weichselian, Weichselian(Late), Sweden, Skane, Torreberga; 05024. Pleistocene, lacustrine deposit, Middle Polish glaciation, Eemian, Vistulian vegetation, Poland, Wroclaw, Imbramowice; 00312. radiocarbon dating, Devensian, lateglacial, UK, Wales, South Wales, Glamorgan, Llanilid; 06152. vegetational history, Younger Dryas, Holocene, USSR, Ladoga Lake; 13157.

pollen study
palaeoclimate, proxy data, climatic change, lake level, Argentina, Lake Cardiel; 01949.

pollen transport
marine core, monsoonal climate, monsoon history, oxygen isotope record, palynologt, climate change, Indian Ocean; Arabian Sea; 11920.

pollen trapping
rainforest, canopy vegetation, Australia, Queensland; 06091.

pollen zone
Eemian, bore hole, maar lake sediment, Italy, Rome, Valle di Castiglione; 06104. last interglacial, Muir Point Formation, Whidbey Formation, Highbury Formation, sea level, Canada, British Columbia, Vancouver Island; 07254. radiocarbon date, lowland, raised bog, Neolithic, forest clearance, Bronze Age, vegetational history, UK, Northern Ireland, Antrim, Sluggan Bog; 13149. radiocarbon, tephra dated, early postglacial vegetation, temperature, Mazama tephra, Neoglacial ice advance, Late Quaternary, vegetation history, Canada, Alberta, Jasper National Park, Wilcox Pass; 05012.

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air-sea exchange, hexachlorocyclohexane, water sample, Henrys law, organochlorine, Chukchi Sea; Bering Sea; 13648. anthropogenic influence, sedimentation, suspended sediment, reservoir, dam, heavy metal, Spain, Ebro Delta; 05883. anthropogenic metal, mud flat, salt marsh, organic matter, estuary, UK, England, Severn Estuary, Tites Point; 09383. anthropogenic source, iron cycling, lead-210 dating, accumulation rate, diagenesis, USA, New York, Adirondack State Park; 03527. bottom sediment, organic carbon, heavy metal, biodegradation, waste, Venezuela, Tuy River Basin; 08199. chlorobenzene, suspended particulate, bottom sediment, chemical partition, fishing, effluent, Japan, Ise Bay; 09393. colloid, coagulation, settling, 05793. crustal material, anthropogenic pollution contribution, trace element, aerosol, Atlantic; 06684. deposition, cluster analysis, meteorology, precipitation chemistry, USA; Canada; 10201. dustfall, air pollution, cement dust, heavy metals, Turkey, Elazig; 01262. emission inventory, CORINAIR project, Europe; 11358. environmental monitoring, air quality model, pollution meteorology, boundary layer, atmospheric diffusion, 09047. estuary, fluorescence, decomposition, North Sea, German Bight; 05965. exposure, plant growth, yield, dose response relationship, crop loss, 11363. grain size, micropollutant, heavy metal, PCBs, PAHs, 10658. lake sediment, mathematical model, erosion, beach erosion, factor analysis, chemical pollution monitoring, coastal erosion monitoring, USA, Lake Michigan; 05978. lake, productivity, sedimentation, eutrophic lake, mineralisation, phosphorus, Netherlands, Lake Veluwe; 11667. mesoscale model, boundary layer model, dispersion model, coastal region,

complex terrain, sea land breeze circulation, Eulerian numerical model, diffusion, China, Bohai Sea; 07691. migration path, bottom sediment, sedimentation, shelf, Pacific, Gulf of Siam; Japan Sea; Pacific, Sea of Japan; 10563. monochromatic atmospheric reflectance, aerosol parameter, 12695. monsoon, heavy metal, contamination, sewage, India, Bombay, Ulhas River; Thane Creek; 12907. mud, molluscan fauna, clay, heavy metals, trace element, anthropogenic source, UK, England, Humber Estuary, Easington; 02381. natural tracer, salt wedge, estuary, suspended matter, organic matter, bank erosion, sediment source, Germany, Elbe Estuary; 03542. nitrifying bacteria, dissolved oxygen, BOD, surface water quality, nitrogenous BOD, biological oxygen demand, China, Lee River; 13368. partitioning, organic carbon, PAHs, laboratory experiment, Australia, Queensland, Brisbane River Estuary; 04797. radionuclide cycling, radionuclide transport, surface water quality, radioactivity, nuclear reactor, uranium mine, fallout, USA, Great Lakes, Lake Michigan; Lake Ontario; Canada, Great Lakes, Lake Ontario; 13351. rain composition, convective shower, frontal precipitation, aerosol particle, in cloud, below cloud, absorption, nucleation, scavenging, 06554. runoff, biochemical oxygen demand, chloride, copper, zinc, lead, Sweden, River Hoje; 02383. scavenging, sequential sampling model, cloud dynamics, precipitation rate, pollutant rain concentration, 06553. sewerage, monsoon, suspended solids, heavy metal, industrialisation, anthropogenic discharge, India, Bombay, Thane Creek; Ulhas River; 12906. sinkhole, caves, disappearing river, blind valley, spring, dye tracing, karst hydrogeology, groundwater problem, fluviokarst, Ordovician(Upper), USA, Minnesota, Fillmore County; 03839. stack height, sulphur dioxide, plume rise, South Africa, Transvaal; 07819. street traffic, environmental spatial research, emission, 12521. sulphur dioxide, nitrogen oxide, ozone, trace gas, transboundary mass flux, Germany; 06599. surfactant, flotation, sediment-water interface, partitioning, gas bubble, suspended matter, Italy; 04790. suspended sediment, reversible reaction, adsorption, desorption, kinetics, diffusion, solid core model, coupled reaction, 07030. tombstone, marble, weathering, industrial environment, stone deterioration, Australia, New South Wales, Port Kembla; 12023. trace component, Eurotrac project, Polarstern cruise, 06659. trajectory, wind field, Japan, Osaka; 05389. transport, deposition, dry deposition, sulphur dioxide, trajectory model, 11390. valley, complex terrain, wind tunnel modelling, dispersion, 13693. waste, linear alkylbenzene, linear alkylbenzenesulphonate, isomeric change, detergent, Japan, Tokyo; 07035. water quality, sewer overflow, storm water runoff, urban pollutant, surface water, dissolved oxygen, oxygen, ammonia, toxic pollutant, Netherlands, Amstel-en Gooiland; 13352. wet only sampler, ecotoxic heavy metal, dissolved organic carbon, rain water, snow, atmospheric deposition, acid, heavy metal, carbon, nutrient, Netherlands, Yerseke; 09043.

pollutant concentration
boundary condition, turbulent diffusion, diffusion, underlying surface, deposition, 12361. numerical investigation, mesoscale circulation, verification study, mesoscale model, boundary layer, USA, California, Los Angeles Basin; 12439. turbulence, diffusion, vehicle, traffic, speed, 11212. upwind, downwind, inorganic species, organic species, Bermuda; 12520.

pollutant decay
water conservation, sewage effluent, chalk aquifer, aquifer recharge, groundwater quality, UK, England, Hampshire; 07561.

pollutant deposition
ozone, sulphuric acid, aerosol, monoterpene, hydrocarbon, acidiccompound, 06615.

pollutant detention time
wake cavity, downwind wake cavity, building, detention time, deconvolution technique, laboratory study, 10023.

pollutant dispersion
mathematical simulation model, sewage discharge, time of decay, surface water contamination, dispersion coefficient, Argentina, Buenos Aires, Rio de la Plata; 13355. sea breeze, turbulent diffusion, Gaussian plume model, wind veering, 05473. triangular ridge, numerical study, diffusion, point source, turbulence model, 13531.

pollutant emission
sulphate, source receptor relationship, sulphur dioxide, nitrogen oxide, emission, acid rain, nitrate, North America; 04437.

pollutant exposure
volatile organic compound, particulate matter, source receptor study, chemical industry, USA, West Virginia, Kanawha Valley; 11402.

pollutant load
nonpoint source pollution, runoff pollution, probabilistic modelling, urban runoff, North America, Great Lakes Basin; 07513. runoff, surface water quality, wet deposition, bulk deposition, urban hydrology, Germany, Hamburg; 00563.

pollutant migration
biogeochemical cycle, industrial waste, groundwater quality, cyanide, salt, 07553.

pollutant monitoring
ecosystem monitoring, global baseline site, 11398.

pollutant rain concentration
pollutant, scavenging, sequential sampling model, cloud dynamics, precipitation rate, 06553.

pollutant removal
water treatment, water quality, phenol, p-chlorophenol, mercuric ion, fixed bed adsorption, 04063.

pollutant transport
advection, diffusion, channel flow, reach back characteristics method, dispersion, 12200. deposition, raindrop, microphysical scheme, mesocale modelling, 06610. dispersion regime, groundwater flow, viscosity gradient, density gradient, miscible displacement, mechanical dispersion, 09899. land use effect, nonpoint pollution, water quality, pollution abatement programme, sediment transport, 00635. leaching, pesticide, groundwater quality, surface water quality, soil chemistry, agricultural pollutant, 06394. mixing, river pollution, pulse disposal, dispersion, convection dispersion equation, surface water quality, velocity gradient, mechanical dispersion, 11019. numerical investigation, mesoscale circulation, synoptic influence, USA, California, Los Angeles Basin; 12440. radiosonde data, mixing height, trajectory model, boundary layer model, Saudi Arabia; 08959. sediment transport, solute transport, runoff, fertilizer, loess soil, model calibration, surface water quality, Germany, Karlsruhe, Weiherbach Catchment; 06324. soil water content, organic pollutant, unsaturated soil, effective partition coefficient, soil temperature, Korea(South); 10874. terrain roughness, dispersion model, complex terrain, plume, terrain roughness, 08960.

pollutant-material response relationship
damage function, dry deposition, wet deposition, laboratory exposure system, simulation, atmospheric degradation, building stone, wet deposition, atmospheric pollutant, acid rain, wet-dry cycling, Porland stone, 02704.

polluted air
urban climate, thermal infrared mapping, Austria, Graz; 05766.

polluted air mass
photochemical activity, ozone, hydrogen peroxide, trace gas, 06600.

polluted aquifer
suspended material, fine sediment, agricultural pollutant, sewage effluent, metal concentration, groundwater quality, Israel; 01741.

polluted atmosphere
aerosol characteristic, boundary layer, heat transfer, radiative heat transfer, numerical simulation, thermal structure, urban atmosphere, 12353. climatic changes, temperature, radiation balance, Middle East; 09005.

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polluted stream
bay, dissolved oxygen, salt water environment, geostatistical technique, surface water quality, estuary, Italy, Taranto, Mar Piccolo; 07495.

pollution
acid precipitation, nitrogen oxide, photo oxidant, nitrogen compound, aluminium, fish stock, Norway; 04451. acid rain, anthropogenic influence, dissolution rate, dolomitic marble, marble, rainfall, solution rate, Greece, Thessaloniki; Plagiari; 10821. acidification, acid deposition, air pollution prevention, 04401. acidification, water quality, water chemistry, fish population, humic compound, lake survey, Norway; 13344. acidity, temperature inversion, pollution front, France, Lorraine; 03260. adsorption site, particle size, PAH, organic matter, river sediment, 03585. advection differential equation, receptor modelling, particle, empirical orthogonal function, multivariate statistics, sulphate, 13683. aerosol optical thickness, particle size, scattering albedo, smoke, anthropogenic pollution, aerosol, satellite measurement, 04357. air pollution observation, air quality monitoring network, Korea; Japan; 04403. air quality measurement, sulphate aerosol, maritime polar air masses, sulphur dioxide, nitrogen oxide, hydrogen peroxide, aerosol, Poland, Karkonosze Range; 02004. air quality monitoring, pollution control, fog, France, Basse-Seine; 04447. air quality monitoring, sampling, emission, 04448. air quality, emission limit value, 03255. air quality, principal components analysis, clustering, sulphur dioxide, nitrogen dioxide, synoptic climatology, climate classification, 07865. air quality, sulphur dioxide, carbon monoxide, particulate matter, oxidant, nitrogen dioxide, nitric oxide, non-methane hydrocarbon, Japan; 00919. air-sea exchange, marine atmosphere, ethene, ethane, hydroxyl, methane, carbon monoxide, nonmethane hydrocarbon, Indian Ocean, Amsterdam Island; 03246. anthropogenic contamination, continental shelf, trace element, Tyrrhenian Sea; Italy, Tuscany Coast; 10585. anthropogenic input, gasoline production, lead cycle, Atlantic, (Northeast); 08211. biogenic cycling, biogenic particle, lead, water sediment interface, Atlantic, (North); 08212. biological indicator, phytotoxic photochemical oxidant, air quality, vegetation, Mexico; 01960. biological monitor, leafyeast, air quality, Europe; 04457. boundary layer, isobaric trajectory, vanadium, trajectory analysis, long range transport, Japan; 02006. boundary layer, stratified flow, fluid modelling, atmospheric diffusion, complex terrain, wind tunnel modelling, 05404. cadmium, lead, coastal sediment, heavy metals, India; 01263. calibration, impactor, aerosol, particle, sampling, chimney stack, 00682. CFC 11, carbon tetrachloide, methyl chloroform, emission, complex terrain, regional transport, methylchloroform, USA, Nevada-Arizona Desert; 04399. CFC's, ozone depletion, ultraviolet radiation, 04396. chemical plant, emission, control equipment, incinerator, Denmark, Jutland, Cheminova; 11366. climate record, ice core, carbon dating, tritium, glacier, hypsithermal, volcanic eruption, Arctic; Svalbard, Spitsbergen; 04341. coal fired power station, nitrogen isotope, motor vehicle, pollution, nitrogen oxide, 00871. control strategy, emission reduction cost, RAINS model, receptor area, uncertainty, source receptor relationship, transboundary air, Austria; 11367. copper, zinc, coastline, anthropogenic pollution, heavy metal, Japan, Seto Inland Sea; 09388. denitrification, petroleum, hydrocarbon, oil spill, accident, fauna, France, Mediterranean Coast; 01257. deposition flux, heavy metal, PAH, vehicle pollution, highway, 13721. dispersion model, Cross-Appalachian Tracer Experiment, tracer transport, dispersion, plume, 02045. dispersion model, receptor model, trace metal, inorganic anion, factor analysis, Hong Kong; 03170. dispersion modelling, nitrogen oxide, trajectory model, power station, motor vehicle, emission, UK; 04424. dust, factory emission, vegetation, soil, India, Uttar Pradesh, Mirzapur, Dala Cement Factory; 00431. dust, Gaussian dispersion model, particulate matter, respirable size range, dispersion coefficient, 04417. dust, metal, surface water, heavy metals, sulphur dioxide, nitrogen oxide, Poland; 03252. Earth, deforestation, desertification, 02224. emission, aerosol, in-situ measurement, aircraft measurement, remote sensing, satellite observation, 00935. emission, air quality, nitrogen dioxide, particulate, carbon monoxide, nitrogen oxide, Finland; 03158. emission, dust, ozone, air quality monitoring, Saudi Arabia, Jubail; 01963. emission, hydrocarbon, nitrogen oxide, chemistry-dispersion model, ozone, pollution control, urban atmosphere, nitrogen dioxide, 02011. enclosed sea, civil engineer, tidal current, Japan, Osaka Bay; 09391. energy efficiency, toxic waste, emission, political action, global agenda, 07882. eutrophication, sedimentation, heavy metal, organic matter, carbonate, marine geology, India, Kerala, Mahe Estuary; 08208.

exhaust emission, hydrocarbon, carbon monoxide, nitrogen oxide, formaldehyde, aldehyde, acetylene, butadiene, benzene, ambient temperature, tailpipe emission, motor vehicle, 05503. expert system, aerosol, 03178. field study, PAN, ozone, nitrogen oxide, photosmog, temperature, Switzerland; 12542. fine particle mass, carbon, visibility, particulate matter, aerosol, sea salt aerosol, biomass burning, photochemical aerosol, Australia, Latrobe Valley; 00920. flood, climate, Egypt, Cairo; 00664. fly ash, heavy metal, 11356. forest decline, soil condition, spruce, Germany, North Rhine Westfalia; 09026. forest ecosystem, deposition, fog, organic compound, dew, Europe; 00884. forest fire smoke, smoke, particle size, optical thickness, satellite measurement, USA; Canada; 04358. formaldehyde, photochemical smog, ozone, hydrogen peroxide, hydrocarbon, ethene, propane, acetaldehyde, 02041. fossil fuel, dust, cement industry, vanadium, Egypt, Cairo; 03146. gasoline, lead, volatile halogenated hydrocarbon, carbonyl, automobile, risk factor, motor vehicle, Italy, Turin; 00809. grain size, sedimentation, anthropogenic activity, metal sink, 09376. greenhouse effect, fossil fuel, natural gas, carbon dioxide, climate change, 03137. greenhouse gas, carbon dioxide, pollution control technology, nitrogen oxide, motor vehicle, UK; 00812. halocarbon, forest, chloroform, soil air, tetrachlorethene, trichloroethane, trichloromethane, Germany; 04425. heavy metal, biomonitoring, sulphur dioxide, nitrogen oxide, hydrocarbon, dust, Poland, Katowice, Upper Silesia; 09025. heavy metals, marine sediment, geoaccumulation index, estuary, Spain, Guipuzcoa Coast; 04782. heavy metals, mercury, Enterobacteriaceae, organomercurial, bacterial resistance, biological indicator, 03263. heavy metals, river sediment, geoaccumulation index, Spain, Guipuzcoa; 04783. heavy metals, toxic sediment, organism, seafood, contamination, Sediment Quality Triad, 04768. hydrocarbon, nitrogen oxide, emission, power plant emission, industrial emission, ozone, air quality, photosmog modelling, 00853. hydrogeology, moraine landscape, glacial bed, groundwater, Denmark, Arhus; 07554. impactor, principal component analysis, trace metal, sodium, vanadium, manganese, copper, zinc, arsenic, cadmium, lead, inversion, particulate, aerosol, Switzerland, Berne; 05509. industrial dust, agricultural plant, plant stress, 06875. industrial source, soil, heavy metals, China, Shanghai, Baoshan-Wusong; 02768. lead, speciation, diagenesis, partitioning, New Zealand, Auckland, Manukau Harbour; 07036. legislation, Switzerland; 13727. lognormal distribution, normal distribution, gamma distribution, air quality control, 01972. long range transport, dust event, synoptic vertical velocity, trajectory model, geochemical tracer, Saharan dust, 05500. long range transport, transport model, nitrogen oxide, USA, Hawaii; 00874. mesoscale model, momentum, kinetic energy, convective atmospheric boundary layer, wall effect, turbulence closure, 04460. meteorological parameter, sulphur dioxide, nitrogen oxide, sulphate, ammonium, precipitation chemistry, aerosol, long range transport, forest ecosystem, 03157. methylchloroform, perchloroethylene, particle light scattering, urban source, long range transport, haze, tracers of opportunity, USA, Nevada, Spirit Mountain; 02018. microtektite, dust, stratosphere, cosmic dust, 02035. modified structure function, air quality monitoring, sulphur dioxide, Germany, North Rhine-Westphalia; 01966. motor vehicle emission, airshed, urban area, Australia, Perth; 02019. motor vehicle emission, photochemical smog, urban atmosphere, South Africa; 03149. motor vehicle pollution, dispersion model, wind tunnel experiment, 01987. motor vehicle, emission, Europe; 00810. motor vehicle, exhaust, emission, 00816. motor vehicle, nitrogen oxide, catalytic converter, emission, Germany; 00813. motor vehicle, soil profile, lead, cadmium, copper, organic lead compound, PAH, UK, England; 00819. nitric acid, ammonia, forest damage, suspended particle, leaching, spruce forest, precipitation, 03259. nitrogen dioxide, ozone, Finland; 03151. nitrogen oxide, methane, carbon monoxide, emission, hydroxyl radical, oxygen, global change, tropospheric chemistry, solar ultra violet radiation, water vapour, ozone, 00914. nitrogen oxide, photochemical trajectory model, ozone, hydrocarbon, boundary layer, gas fired power station, Australia, Melbourne; 03156. nitrogen oxide, pollution, coal fired power station, nitrogen isotope, motor vehicle, 00871. nitrogen oxide, sulphur oxide, ozone, hydrogen peroxide, non-methane hydrocarbon, pollution damage, PAN, emission reduction, Japan; 05535. organic carbon, water soluble contaminant, compost, waste disposal, groundwater quality, heavy metal, 13431. organic fumes, toxicological limit, volatile organic pollutant, oxygen, carbon dioxide, carbon monoxide, 03256. ozone, non-methane hydrocarbon, carbon monoxide, nitrogen dioxide, hydrogen peroxide, urban atmosphere, USA, California, Los Angeles; 03223. particle, sampling, quartz fiber filter, polychlorinated dibenzo-p-dioxin, polychlorinated dibensofuran, PCBs, gas chromatography, 00842. particulate matter, anticyclone, land breeze, cyclone, cold front, inversion, nitrogen oxide, Japan, Kanto Plain; 02001. particulate matter, carbon, aerosol, thermogram, carbon monoxide, lead, motor vehicle, 00921. particulate matter, lead, motor vehicle, UK, England, London; 00814. particulate matter, regional weather pattern, clustering, synoptic meteorological class, Spain, Valladolid; 00858. particulate, aerosol, manganese, iron, magnesium, copper, nickel, zinc, cadmium, lead, Chile, Santiago; 03173. phosphorus, iron, heavy metals, spectral analysis, tracer, Canada, Great Lakes, Lake Ontario, Hamilton Harbour; 01203. photochemical oxidant, plume, ozone, peroxy acetyl nitrite, 04446. photochemical pollution, methanol, gasoline, ozone, motor vehicle, 00879. photochemical pollution, nitrogen oxide, non-methane hydrocarbon, sea breeze, urban pollution, Taiwan, Taipei; 00854. photochemical product, nitric acid, dispersion, sea breeze front, air quality, turbulence, 00758. photochemical smog, surface ozone, rural region, urban region, alpine region, nitric oxide, Switzerland; 06567. Pinus sylvestris, bioindicator, sulphur dioxide, fluorine compound, pine needle, sulphur, iron, Finland, Kevo; Poland; 02069. Pinus sylvestris, electrolytic conductivity, sulphate concentration, pH, bark test, Poland, Ojcow National Park; 04455. point source, PAH, storm event, UK, England, Derbyshire, River Derwent; 03589. pollution dispersion, puff model, Portugal; 01985. pollution modelling, emission data base, air quality data, concentration isoline, Portugal; 06606. polychaete, bioavailability, salinity stress, heavy metal, India, Bombay, Thane Creek; 12909. prediction model, Kalman filtration, 03266. principal component analysis, photochemical process, lower troposphere, chemical component, aerosol, Arctic; 06549. productivity, biogenic debris, sedimentation, gyre, heavy metal, sediment source, Tyrrhenian Sea; 08172. radioactive dating, PCB, plume, lake sediment, USA, Great Lakes, Lake Michigan, Green Bay; 11704. radioactivity, volcanic activity, residence time, long range transport, continent to ocean transport, meteorological regime, transport process, trace element, mineral aerosol, sulphur, nitrogen, organic compound, 11304. radish plant, biological indicator, 03265. remote sensing, phytoplankton, suspended solid, lake, diatom, Japan, Lake Biwa; 06972. residence time, radiocaesium, Chernobyl nuclear accident, fallout, deposition, resuspended dust, particulate matter, UK, England, Barrow-in-Furness; 00807. river water, heavy metal, water quality, sewage treatment, toxicology, 09377. sampling, aerosol, particulate, ion chromatography, annular diffusion denuder, 03184. sampling, isokinetic sampling system, fly ash, gravimetric method, beta ray, dust, stack gas, 03192. sampling, motor vehicle emission, PAH, urban street dust, capillary gas chromatography, sulphur heterocyclics, Japan, Tokyo; 03251. sewage, waste water, dissolved organic carbon, particulate organic carbon, carbon cycle, Egypt, Alexandria, Eastern Harbour; 10586. signal detection, warming debate, climate variability, greenhouse gas buildup, 13623. size distribution, trace metal, particulate matter, motor vehicle, fuel combustion, aerosol, Puerto Rico, Ponce; 11399. smog warning, air quality monitoring, particulate matter, Germany; 01981. smoke, oil spill, organic carbon, fuel layer, PAH, emission, combustion, crude oil, 05538. snow, ice, carbon dioxide, lead, methane, radioactive species, nuclear bomb test, Chernobyl accident, nitrate, sulphate, organochlorine, ice core, Antarctica; Greenland; 05525. solar radiation, particulate, long range transport, ozone, sulphate, sulphur dioxide, nitrogen oxide, aerosol, Israel; 03167. stone decay, granite weathering, urban environment, Brazil, Rio de Janeiro; 10820. stratus cloud, cumulus cloud, precipitation, power station, acid deposit, plume, deposition, 04445. sulphate, particle, rotary inertial impactor, nitrate, friction velocity, ozone, sampling, USA, California, Los Angeles; 02048. sulphur compound, ultraviolet fluorescence analyser, hydrogen sulphide, Finland, South Karelia; 01976. sulphur dioxide, air quality monitoring, Germany; 01964. sulphur dioxide, dust, nitrogen oxide, objective estimation, Czechoslovakia, Slovakia; 05489. sulphur dioxide, macroeconomic consequence, emission, Norway; 11133. sulphur dioxide, nitrogen oxide, ozone, aircraft measurement, transboundary air pollution, 01965. sulphur dioxide, ozone, nitric acid, stomatal resistance, aerosol, cloud droplet, deposition, hydrochloric acid, ammonia, UK, England, Kielder Forest; 03144. sulphur dioxide, particulate matter, Pasquill's stability categories, stability, Spain, Salamanca; 01989. sulphur dioxide, Sodar, air quality control, emission, chimney, France, Provence; 04444. sulphur dioxide, succulent, biomonitor, chlorophyll, ascorbic acid, nitrogen, 03257. sulphur, particulate matter, aerosol, fuel burning, agricultural burning, principal component analysis, visibility, USA, California; 02067. suspended soil, humic substance, river, soil, China; 08210. suspended solid, oxygen, fauna, flora, dam draining, France, Loire River, St. Etienne; 11709. terrain hypsometry, temperature inversion, sulphur dioxide, 04398. topographically complex location, motor vehicle, 00817. total suspended particulate, dust, sulphur dioxide, nitrogen dioxide, sampling, air quality, Poland, Lublin Coal Basin; 04452. toxicity, photoacoustic detection, sampling, air quality, 03189. toxicity, plankton, heavy metal, China, Xiamen Bay; Jiulong River; 09387. trace element, grassland, nickel, lead, zinc, iron, manganese, cadmium, copper, cobalt, chromium, biomass, Czechoslovakia, Ostrava; 00910. trace metal, suspended sediment, estuary, anthropogenic, shelf sea, North Sea; 10541. traffic, plant chlorophyll, motor vehicle emission, bio assay, photosynthesis, particulate, 05490. transport, dry deposition, ozone, nitric acid, Japan; Korea; China; 00859. turbidity, surface boundary layer, Volz photometer, 05376. tyre tread, pyrolysis, gas chromatography, flame, photometric detection, traffic density, suspended particulate matter, benzothiazole, urban pollution, 00849. ultraviolet radiation, Montreal Protocol, CFC's, ozone depletion, stratosphere, Arctic; Antarctica; 03209. urban atmosphere, motor vehicle emission, air quality, UK, England, London; 01971. urban atmosphere, pollution measurement, lead, automatic filter changer, motor vehicle emission, 01977. urban climate, temperature, heat island, precipitation, insolation, Japan, Tokyo; 05390. urban environment, carbon monoxide, nitrogen oxide, particulate matter, lead, motor vehicle, Gaussian diffusion, air quality, UK, England, London, Haringey; 00815. urban pollution, lichen, sulphur dioxide, nitrogen dioxide, France, Toulouse; 03197. volatile organic pollutant, thermodesorption, amines, U. dimethylhydrazine, sampling, gas chromatography-mass spectrometry, 03270. Wadatlas, tidal movement, navigation, Netherlands, Waddenzee; 06783. waste water, disposal system, sewage, Greece, Saronikos Gulf, Athens Sea Outfall; 12905. water hardness, water resource, karst water, mineral characteristic, pH, electrical conductivity, tracing, budget investigation, thermal spring, Hungary; 11064. water transfer, Kendall trend analysis, surface water quality, semi mean trend analysis, water quality management, China, Luanhe River; Tianjin; 11030. weathering, chemical weathering, mechanical denudation, acidification, anthropogenic denudation, denudational process, Poland, Karkonosze Mountains, Lomniczka River; 08546. weathering, trace element, anthropogenic source, 01246. wet removal, aerosol, nucleation, impaction scavenging, cloud drop, ice particle, 04463. wood stove, boiler, organic micropollutant, PAH, tar, intercalibration, combustion, biomass, sampling, chemical analysis, Sweden; Norway; Finland; Denmark; 00811.

pollution abatement programme
sediment transport, pollutant transport, land use effect, nonpoint pollution, water quality, 00635.

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long range transport, sulphate, cloud cover, Lagrangian one layer model, sulphur dioxide, 04435. wake dispersion, tracer, downwash, building, plume rise, USA, Alsaka, Prudhoe Bay; Arctic; 06504.

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pollution count
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pollution episode
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pollution front
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pollution index
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pollution information
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reefal limestone
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eflectance measurement
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eflectivity
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eflectivity factor
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eflectivity pattern
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region data
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region neighbour searching
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regional acid deposition model
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regional analysis
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regional aquifer flow
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regional aquifer system
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regional assessment
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regional classification
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regional cyclogenesis
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regional database
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regional deglaciation
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regional development
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regional discharge
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regional effect
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regional elevation
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regional emission
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regional erosional inventory
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regional evapotranspiration
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regional field
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regional finite element model
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regional flood frequency
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regional flux
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regional geography
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regional geology
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regional GIS
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regional government
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regional groundwater flow
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regional head distribution
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regional identification
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regional impact assessment
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regional information system
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regional interaction
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regional landuse
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regional level study
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regional mean estimation
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regional spectral radiance
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regional strain
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gional water balance
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gional wind
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regulatory purpose
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rehabilitation design
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rehabilitation planning
water quality, sewerage rehabilitation, water distribution, rehabilitation design, water resource management, water quality management, expert system, 00653.
reinforced
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reinforced embankment
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reinforced soil
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reinforced soil retaining wall
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reinforced soil wall
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Rokko Movement
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Rossby gravity wave
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Rossby radius
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Rossby wave critical layer
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Royal Navy
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Royal Society's Surface Water Acidification Programme
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Rozetta soil
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RRAM Project
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Ruhengeri Resource Analysis and Management Project
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Saalian age
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Saalian glaciation
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Saalian ice sheet
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Saalian sediment
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Saharan dust
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Sahel drought
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Sale terrace
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Salem Limestone
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saline pool
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sampling rate
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San Cassiano Formation
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San Gregorio Formation
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San Jacinto fault zone
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Sanbagawa schist
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Sola Formation, tectonism, fault block, Cretaceous, North Sea, Witch Ground Graben; 07048. stress path dependent soil behaviour, hollow cylinder, torsional apparatus, generalised stress path, principal stress rotation, 06020. submarine fan, sedimentation, eustatic cycle, overbank deposit, mass transport, levee, USA, Gulf of Mexico, Mississippi Fan; 04731. surf zone, sediment movement, bed form, wave reflection, beach, 03548. tectonic setting, weathering, source terrain, palaeotectonics, Panama; Costa Rica; Venezuela; Colombia; 01323. tephra, turbidite, provenance, volcaniclastic sediment, sediment structure, Tyrrhenian Sea, Tyrrhenian Basin; 00077. 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sand bar
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sand beach
coastal dune, progradation, backbarrier marsh, dune ridge, palynology, peat, relative sea level change, coastal response, Canada, Newfoundland; 00316.

sand bed
river, mobile bed model, sediment transport, alluvial resistance function, 04690.

sand bed river
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sand blowing
dunefield, beach, recreation, South Africa, Port Alfred; 00157.

sand body
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Eocene, delta, Queen City Formation, transgression, USA, Texas; 05894.

sand budget
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sand composition
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sand dam
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sand deposit
arid formation, soil study, USSR; 00475. campsite, vegetation, discharge, flow regulation, sediment load, USA, Arizona.Grand Canyon National Park, Colorado River; 02313.

sand drift surface
wind, aeolian deposit, bounding surface, erosional surface, sand sheet deposit, 05799.

sand dune
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sand dunes
water holding capacity, hydraulic conductivity, water characteristic curve, soil water hydrodynamics, ferruginous soil, Africa, Sudan; Sahel; 12229.

sand dyke
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sand fencing
vegetation, dune building, vegetation stabilisation, barrier island, beach, erosion, USA, Louisiana, Timbalier Island; 09433.

sand filled frost wedge
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sand filter
sorption screening test, groundwater quality, potable water, arsenic, sodium hydroxide, 12289.

sand grain
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sand intraclast
diamicton melange, glacial sedimentology, subglacial deposition, deformable bed, clast fabric, Canada, Ontario, Niagara Peninsula; 09576. diamicton, shore bluff, brecciated diamicton, heat flow simulation program, COLDSPOT, simulation, cryostatic desiccation process, Canada, Ontario, Mohawk Bay; 01428.

sand intrusion
gyttja, thawing permafrost, sediment displacement, till sand peat association, Holocene, cryoturbation, Weichselian Holocene, valley fill, gravity spreading, Netherlands, Tjonger Valley; 10813.

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sand mixing
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sand modulus
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sediment core analysis
lake acidification, Surface Waters Acidification Programme, acidification, historical water chemistry, surface water quality, UK; Norway; Sweden; 13346.

sediment cores
sea floor, ferromanganese, sea water, nodule, aeolian, 02365.

sediment dating
Holocene, Pleistocene, dunefield, sediment budget, Australia, Queensland, Cape York; Northern Territory, Arnhem Land; 02308.

sediment deformation model
geotechnical property, structural property, over consolidated clay, lacustro glacial clay, Saalian ice sheet, geotechnical engineering, sub glacial sediment, Netherlands, Groningen Province, Marum; 10772.

sediment delivery
agricultural land, map, suspended sediment yield, USLE, UK; 02729. peat moorland, reservoir, erosion, sediment yield, UK, England, Yorkshire, Wessenden Head Moor; 10519. ponderosa pine, pinyon juniper, chaparral, vegetation strip, watershed, hillslope stabilisation, erosion control, USA, Arizona; 08539.

sediment delivery ratio
drainage basin, sediment storage, sediment budget, semi-arid region, equatorial region, aggradation, Kenya, Katiorin Basin; 00021.

sediment deposition
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sediment discharge
flow velocity, ripple, dune, temperature, bed configuration, Mars; 02297. ilmenite, source rock, heavy mineral analysis, shelf sediment, USA, Atlantic Shelf; Hudson River; 02393. sedimentation, delta, sea bottom, continental shelf, Bohai Sea; Yellow Sea; China, Huanghe River; 12873. turbidity current, lake sedimentation, mixing, reservoir, water circulation, water temperature, Japan, Hokkaido, Katsurazawa Reservoir; 05190. water discharge, stream flow, total suspended matter, sediment concentration, monsoon, total annual load, coarse silt fraction, India, Mahanadi River Basin; 05155.

sediment dispersal
river sediment, grain size, continental shelf, mud, sand ridge, Korea(South), Korea Strait; Korea(South, Nakdong River; 12874.

sediment displacement
till sand peat association, Holocene, cryoturbation, Weichselian Holocene, valley fill, gravity spreading, sand intrusion, gyttja, thawing permafrost, Netherlands, Tjonger Valley; 10813.

sediment dissolution
reaction kinetics, diagenesis, feldspathic sand, sea water, 07077.

sediment distribution
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sediment drape
fault, turbidite, deformation, progradation, tectonics, submarine canyon, Pacific, (Southeast), Chile Trench; 05857.

sediment drift feature
Labrador Current, Western Boundary Undercurrent, sedimentation, depocentre, submarine sliding, Cenozoic, continental slope, Atlantic, Grand Banks, Sackville Spur; 02362.

sediment dynamics
watershed-lake process model, lake water quality, land use effect, water quality management, agricultural nonpoint source model, nitrogen, phosphorus, COD, temperature stratification, mixing, sedimentation, chlorophyll, runoff water quality, 04156.

sediment erosion
sediment deposition, uplift, extensional region, localised uplift, isostasy, flexural rigidity, USA, Basin and Range Province; 07167.

sediment estimator
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sediment facies
deposition rate, braided river, meandering, anthropogenic disturbance, agriculture, discharge, long distance correlation, correlation, fluvial event, temperate zone, channel pattern, 11840.

sediment failure
slump, debris flow, earthquake, slope failure, hazard, Japan Sea, Korea Plateau Slope; 10570.

sediment fill
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sediment flow
sedimentation, suspension, settling, viscous fluid, 10493. weir, V-notch weir, stream flow gauging, rectangular weir, 12179.
sediment flushing
ecological impact, flood control, sediment deposition, dam, flow modification, reservoir, hydrological equilibrium, downstream channel, 08726.
sediment flux
Caesium-137, slope process activity, periglacial environment, topsoil, cascading system, Sweden, Aknes; Karkevagge; 12001. glacial sedimentation, Holocene sedimentation, change, carbonate sedimentation, clay sedimentation, thorium-230 profile, box core, carbonate dissolution rate, Pacific, (Equatorial); 08453. ridge and runnel, tidal cycle, settling velocity, sand transport, beach, UK, England, Norfolk, Holkham Beach; 01223. texture, tidal bore, delta, estuary, bar, China, Ganpu, Qiantang Estuary; Hangzhou Bay; 01219. uplift, mountain building, Phanerozoic, erosion, sedimentation cycle, 09415.
sediment fractionation
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sediment generation
sediment deposition, suspended sediment, dissolved material, soil erosion, sediment transport, Sweden; 07139.
sediment geochemistry
aeolian material, rift valley, hydrothermal vent, Indian Ocean, Gulf of Aden, Tadjoura Rift; 08193. contamination, marine sediment, multivariate statistical analysis, anthropogenic source, 00197. environmental change, sediment record, lake, diatom stratigraphy, elk population, erosion rate, lead-210 dating, pollen analysis, range management, USA, Wyoming, Yellowstone National Park; 10778.
sediment grain
turbidite, arenite, provenance study, diagenesis, petrofacies, 06952.
sediment grain size
Greenland ice core, Younger Dryas, carbon dioxide content of the atmosphere, wind intensity, eolian sediment, USA, Alaska, Nenana River; 03887.
sediment groundwater system
groundwater quality, surface complexation model, cation exchange capacity, sorption, speciation, strontium speciation, strontium sorption, Germany, Gorleben; 07569.
sediment homogeneity
sedimentation characteristic, Ogolian sand, sand sample, dune, sandsea, aeolian sedimentation, erg, Pleistocene(Upper), Senegal, Mbour; Mauritania, Nouakchott; 10759.
sediment identification method
fabric, sample processing, plant remains, 09556.
sediment inclusion
deep sea deposition, rafting, potential sediment input, sea ice characteristic, Arctic Ocean; Antarctica; 02699.
sediment input
monsoon, North Equatorial Current, Pleistocene, climatic change, pollen analysis, Site 717 core, Bengal deep sea fan, glacier, India, Bay of Bengal; River Brahmaputra; India, River Irrawaddy; India, River Ganges; India, Himalays; 04965. playa condition, AMS dating, radiocarbon dating, arid environment, radiocarbon technique, chemical pretreatment, salt lake core, Australia, South Australia, Eyre Lake; 13107.
sediment instability
continental slope, slope channel, sea floor, continental shelf, USA, Gulf of Mexico; 08184.
sediment interleaving
ice advance, ice retreat, glacial sediment, glaciofluvial sediment, Wildpoldsrieder Tongue Basin, terminal basin, Germany, Bavaria, Kempten; 11958.
sediment laden flow
clear water flow, hyperconcentrated flow, explicit finite difference formulation, implicit finite difference formulation, characteristic method, suspended sediment, physical model, flood routing, numerical method, 05150.
sediment laden water
sand, lignite particle, low density turbide, turbidity current, aggradation, braided river, Souris spillway, USA, North Dakota; 07229.
sediment landform association
moraine, glacier, depositional environment, glacial process, valley glacier, supraglacial debris, ablation area, sublimation, till, India, Kashmir, Karakorum, K2 Glacier; 09580.
sediment leachate
brine, salt accumulation, lake water chemistry, hypogene process, epigene process, ionic ratio, chloride, surface evaporation, isotopic ratio, Kenya, Lake Magadi; Tanzania, Lake Natron; 09822.
sediment load
apron, source, volcanism, sedimentation pattern, Eocene, USA, Texas, Big Bend Region; 02392. bed sediment, heavy metal, anthropogenic discharge, suspended sediment, urbanisation, India, Bay of Bengal; Godavari River; 10587. Casabianca Formation, volcanism, aggradation, Pliocene, Pleistocene, Colombia, Nevado del Ruiz; 01238. channel bed incision, alluvium, flood, hydraulic mining, tailings, USA, California, Bear River; 12839. channel sediment, gravel, mathematical function type, longitudinal river profile, river, Japan; 08156. channelization, flow regime, drainage scheme, river regulation, hydrograph characteristic, low flow, flood regime, 06281. coral reef, terrigenous sediment, reef growth, siltation, Costa Rica, Golfo Dulce; 11690. estuary, salt marsh, fresh water, tidal range, submergence, sediment budget, USA, Pennsylvania, Philadelphia; Philadelphia, Delaware River; 06981. flooding, erosion, vegetation, wetland, Peru, Ucayali River Basin; 02438. flow rate, bedload, coarse sediment, sediment transport, bypass structure, 08719. lake sedimentation, sedimentometric study, Brazil, Mato Grosso State, River Manso; 11010. loess partitioning, loess, denudation, China, Huanghe Yellow River; Loess Plateau; 05939. mountain basin, turbidity measurement, proglacial stream, sediment pulse, glacier, suspended sediment, 08715. mudflat, subaerial exposure, estuary, diatom, UK, England, Tamar Estuary; Severn Estuary; 03541. nutrient concentration, mixing water, remote sensing technique, estuarine mixing, spatial variability, river plume, eutrophication, estuary, surface water quality, 12210. runoff variation, stage discharge measurement, suspended sediment, thermal property, Arctic; Svalbard, Spitsbergen, Billefjorden, Ebbaelva River; Svalbard, Spitsbergen, Billefjorden, Petuniabukta River; 05245. sand deposit, campsite, vegetation, discharge, flow regulation, USA, Arizona.Grand Canyon National Park, Colorado River; 02313. solute load, mountain basin, structure calibration, stream gauging, current meter, forested catchment, grass catchment, evaporative loss, crump weir, v notch weir, water balance, flat v weir, dilution gauging, sediment accretion, velocity distribution, UK, Scotland, Balquhidder, Kirkton Catchment; Monachyle Catchement; 08708. statistical characteristics, sediment estimator, nutrient load estimator, surface water quality, 06317. streambank erosion, silt up reservoir, land use regulation, landslide problem, watershed management, typhoon season, Taiwan; 06039. Walling & Webb (1981), estimation, bias, variance, suspended sediment, 00535.
sediment load total
avalanche, debris transport, snow avalanche, Pakistan, Himalaya, Kaghan Valley; 03834.
sediment loading
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sediment loss
runoff erosion, universal soil loss equation, soil erosion data, USLE, P factor, subsurface drainage, low slope, humid climate, USA, Louisiana, Baton Rouge; 05058. solute loss, nutrient loss, lake water quality, runoff, hydrological process, eutrophication, UK, England, Devon, Slapton Ley; 06308. surface water quality, agricultural pollutant, export coefficient model, representative basin, pollution control, nitrogen loss, phosphorus loss, UK, England, Windrush River; 06325. surface water quality, catchment study, pasture improvement, streamflow, upland management, runoff, nitrate, eutrophication, phosphorus, potassium, reservoir, nutrient loss, UK, Wales, Nant-y-Moch; 02947.
sediment mapping
Quaternary sediment, ground electromagnetic method, EM instrument, seismic method, Canada, Ontario, Val Gagne; 07227.
sediment maturity
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sediment metabolism
respiration, macropore, soil aeration, salt marsh, oxygen, USA, Massachusetts, Belle Isle Marsh; 05953.
sediment mixing
bioturbation, macrobenthos, coastal ecosystem, luminophore, macrofauna, water sediment interface, Mediterranean Sea; 08267. bioturbation, preservation, event layer, sedimentation rate, 03508. iron, phosphorite, apatite, continental margin, glauconite, pore water, 03569. trace metal, suspended matter, estuary, surface water quality, major element, minor element, aluminium, Netherlands, Rhine River; Meuse River; 08745.
sediment mixture
settling, flocculation, advection, diffusion, 06949.
sediment mobility
bed shear stress, aggradation, chute cut-off, gravel bed river, braiding, bar, 12836.
sediment movement
bed form, wave reflection, beach, sand, surf zone, 03548. current, continental shelf, storm, bottom stress, Grant-Madsen model, Atlantic, Mid-Atlantic Bight; Georges Bank; Canada; 00073.
sediment movement literature review
aquatic system, tracing, fine grained sediment, Canada, Great Lakes; St Lawrence; 05880.
sediment nourishment
backpassing, navigation, offshore bottom, beach, profiling, 05878.
sediment organic content
bottom deposit, heavy metal, copper, cadmium, particle size, sewage, UK, England, Norfolk, Broads; Yare River; 08203.
sediment oxygen consumption
sedimentation, oxygen, eutrophication, nitrogen dynamic, denitrification, North Sea, Kattegat; 00180.
sediment pathway
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sediment permeability
deposit consolidation, depositional history, uplift, turbidity current, sedimentation rate, mud, Indian Ocean, Bengal Fan, ODP Site 717; ODP Site 718; Indian Ocean, Bengal Fan, ODP Site 719; 09370.
sediment physical property
nepheloid layer, surficial sediment, benthic layer, continental margin, Quaternary, shelf, mud, France, Gulf of Lions; Rhone River; 06956.
sediment pore water
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sediment porosity
Ordovician, diagenesis, cone in cone structure, France, Massif Central, Montagne Noire; 08150.
sediment production
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landslide, Neoglacial, Holocene, Canada, British Columbia, Coast Mountains, Lillooet River; 13015. soil erosion, suspended sediment, assessment strategy, rating curve, monitoring programme, Hong Kong; 06244. soil surface condition, shrubland, rainfall simulator, desert pavement, infiltration rate, soil erosion, soil crust, Torriorthent, infiltration, Argentina, Patagonia; 01500.

sediment production controls
lowland catchment, sediment production, runoff, storm event, hillslope sediment production, stream sediment load, overland flow, land use, UK, England, Devon, Slapton Ley; 01507.

sediment profile
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sediment profiler
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sediment provenance
bedload, particle suspension, riverine erosion, sedimentation, river sediment, 08154. diagenesis, sandstone, Triassic, climate, palaeoclimate, USA; Canada; 08214. Llandeilo sediment, Llandovery sediment, mudstone, Eastern Avalonia terrane, UK, Wales; 08220. sorting, Quaternary, fluvial deposit, aeolian deposit, sand, trace element, Netherlands, Limburg; 09443.

sediment pulse
glacier, suspended sediment, sediment load, mountain basin, turbidity measurement, proglacial stream, 08715.

sediment quality
phosphorus, trophic status, anoxic hypolimnia, lake sediment, USA, Pennsylvania, Canadohta Lake; 09331.

Sediment Quality Triad
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sediment rating curve
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sediment record
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sediment recovery
centrifuge system, suspended sediment, trace metal, particle size, Switzerland, Lake Geneva, Upper Rhone River; 01370.

sediment regime
erosion, sediment transport, sediment deposition, reservoir, hydropower, Austria, Altenwoerth; Danube River; 08720. turbidity field, sediment transport, turbulent diffusion, flooding, flood protection, USSR, Neva Inlet; 00533.

sediment remobilisation
continental shelf, continental rise, accumulation rate, bioturbation, organic carbon, USA, New England; Atlantic, Middle Atlantic Bight; 09360.

sediment reworking
erosion, trawling, otter board, fishery, Baltic Sea, Kiel Bay; 07038. pedological study, micromorphological study, loessial deposit, soil survey, loess, rubified soil, paleosol, Rissian, Eemian, Denekamp interstadial, Spain, Gerona; 07208.

sediment ridge
bed load transport, channel regime, deposition, bed formation, sediment transport, bottom relief, 07479.

sediment sampler
HORS, sampler, grab sampler, Shipek, Caribbean Sea; 08311.

sediment sampling
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sediment sequence
vegetational history, Quaternary, pollen analysis, arid zone, Australia, South Australia, Dalhousie Springs; 06111.

sediment shear strength
striated clast pavement, deforming sediment, subglacial sediment, glacier dynamics, abrasion, yield strength, subglacial deformation transport, Canada; USA; 11941.

sediment sink
hydrodynamic model, particle transport, cycling mechanism, fine sediment dispersal, sorption, estuarine circulation, kepone cycling, estuary, sedimentological fate, surface water quality, polychlorinated hydrocarbon, USA, Virginia, James River Estuary; 08760. suspended sediment, metal, contaminant, PCBs, sink, Canada, St. Lawrence River, Lac St-Louis; 04770.

sediment size
channel process, bed channel, gravel bed, flow regime, river management, sediment transport, 06959. sorting, seasonal change in sediment size, sediment transport, bedform, estuary, sediment supply, USA, Oregon, Columbia River Estuary; 05800.

sediment sorting
sea floor, tidal stream, gravel, sand, wave, France, Brest; 05827.

sediment source
clay mineral, continental shelf, mud, terrigenous sediment, Korea; Yellow Sea; 08181. climate, mudrock, sandstone diagenesis, reservoir sandstone, clay mineral, North Sea, Moray Firth; Viking Graben; North Sea, East Shetland Basin; 09472. current, shelf prism, platform, Eocene, Oligocene, Neogene, New Zealand, Canterbury Basin; 07017. dry valley network, assessment, erosion form, erosion risk, agricultural land, erosion risk, France, Paris Basin; 01514. erosion risk, soil erosion study, assessment, excessive soil erosion, off farm problem, 02714. lake sediment, palaeoenvironmental change, paraglacial sedimentation, neoglacial activity, alpine lake, geomorphological approach, sedimentary response, core, Canada, British Columbia, Coast Mountains, Kwoiek Creek; 08471. overland flow, soil movement, forest, seasonal soil movement, sediment concentration, India, Himalayas, Kumaun Himalaya; 00365. pollutant, natural tracer, salt wedge, estuary, suspended matter, organic matter, bank erosion, Germany, Elbe Estuary; 03542. pollution, productivity, biogenic debris, sedimentation, gyre, heavy metal, Tyrrhenian Sea; 08172. rainfall condition, water quality management, sediment budget, coal mining, USA, Maryland; 00534. surface texture, quartz, grain roundness, glacial deposit, subglacial environment, sand grain, 09313.

sediment source identification
catchment delivery ratio, lake sediment, soil erosion, dating, erosion study, conceptual model, temporal resolution, 01492.

sediment source terrain
arc unroofing, back arc basin, Cretaceous, Tertiary, volcanism, Antarctica, Antarctic Peninsula, Larsen Basin; 08250.

sediment storage
contaminant transport, fate, contaminant mass balance model, octachlorostyrene, caesium, PCBs, lake water quality, organic contaminant, North America, Great Lakes, Lake St Clair; 02856. lithologic erodibility, alluvial fan, erodibility, canyon, fan basin relationship, USA, Nevada, White Mountains; California, White Mountains; 07137. logging, rainforest catchment, suspended sediment, road construction, sediment yield, forestry, erosion, Malaysia, Sabah, Ulu Segama; 09921. riverine wetlands construction, wetland conservation, water sediment budget, channel stability, USA, Illinois, Des Plaines River Wetlands; 11007. sediment budget, semi-arid region, equatorial region, aggradation, sediment delivery ratio, drainage basin, Kenya, Katiorin Basin; 00021.

sediment stratification
Darcian seepage equation, Green Ampt infiltration equation, groundwater recharge, intermittent stream, stream channel sediment, permeability, 00576.

sediment stratigraphic method
pine stump, varved clay, Baltic Ice Lake, Yoldia stage, Ancylus transgression, bottom current, marine stratigraphy, Sweden, Hano Bay; 04962.

sediment strength
erosion, tidal power barrage, hypertidal zone, barrage construction, engineers, UK, England, Severn Estuary; 09382.

sediment structure
desilicification, soil, stone line, nodule, pebble, Brazil, Amazonia; 02301. sand, tephra, turbidite, provenance, volcaniclastic sediment, Tyrrhenian Sea, Tyrrhenian Basin; 00077.

sediment supply
barrier beach, beach, Holocene, shoreline, gravel, eustatic sea level, UK, England, Sussex; 06995. beachrock, erosion, transgression, regression, coastal development, 11682. cyclicity, shelf, mixing, karst, siliclastic rock, carbonate, facies mixing, 13003. delta, resuspension, mud, storm action, continental shelf, particulate matter, Spain, River Ebro; 05855. depositional bias, carbonate, sea level cycle, platform, eustatic change, environmental change, 09485. dune field, grainfall, lamination, vegetation, Canada, Alberta, Grande Prairie; 10512. eustatic boundary, sediment accumulation, onlap, offlap, unconformity, 10589. fjord, mass flow process, marine geology, seismic profile, u-shaped fjord, glacial erosion, Antarctica, King George Island, Maxwell Bay; 08455. floodplain, residence time, Holocene, accretion rate, valley form, anthropogenic, UK, England, Shropshire; 04718. Gilbert type, Miocene, alluvial fan, sandstone, facies change, strike-slip fault, fan delta, Korea, Ulleung Back-arc Basin, Pohang Basin; 00144. mass flow deposit, glaciolacustrine delta, glaciofluvial system, seasonal change, flood, glacial river, UK; Ireland; 10518. salt marsh, tidal flat deposit, coastal progradation, coastal lowland vulnerability, land subsidence, groundwater withdrawal, China, Shanghai, Yangtze Coastal Plain; 06064. sea level, delta, Messinian, Pliocene, Spain, Ebro Delta; 05863. sea level, sediment fill, basin, basin fill simulation, 10659. seafloor, iceberg, plough mark, slump, Atlantic, Miller Region; 09368. sediment maturity, sedimentation, rift, alluvial fan, Paleogene, tectonic activity, China, Liaoning Province, Liaohe Rift; Bohai Sea Gulf, Liaohe Rift; 02354. sediment size, sorting, seasonal change in sediment size, sediment transport, bedform, estuary, USA, Oregon, Columbia River Estuary; 05800. sedimentation, continental margin, climatic change, deforestation, depocenter, sea level control, Messinian, Spain, River Ebro; 05847. stratigraphic response, carbonate platform, sea level change, Ocean Drilling Program, tectonic uplift, prograding clinoform, prograde, onlapping sequence, Indian Ocean, Broken Ridge; 11988. tidal current, Witwatersrand Supergroup, Zandfontein Quartzite Formation, metaquartzite, quartzite, conglomerate, South Africa, Evander Goldfield; 02399. tidal sandbody, sandbody, Eocene, Roda Sandstone, Pleistocene(Late), Holocene(Early), Spain, Pyrenees; East China Sea; 09400. transgression, mudrock, black shale, Jurassic, sea level rise, UK, England; 10645. vegetation, sea level rise, salt marsh, 10532.

sediment temperature
ice sheet load, phase change, glaciation, methane hydrate, methane, interglacial period, Arctic; 04449.

sediment texture
mud, lag sediment, diamicton, sub-bottom profiling, overcompacted diamicton, Weddell Sea, Filchner Depression; 02357. organic content, lead, zinc, sediment transport, effluent, heavy metal, UK, England, Norfolk, Yare River; Broads; 08204.

sediment thickness
rock head contour, bedform, biogenic carbonate, sand sorting, British Geological Survey, sea bed sediment, Quaternary geology, Shipek grab, bathymetry, UK, England, Hampshire, Wight; Solent; 07144.

sediment trace metal
benthic macroinvertebrate, water quality, sewage discharge, intermittent pollution, surface water quality, biological indicator, algae trace metal,

07515.
sediment transfer
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spring phenology
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niversity of Oulu
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nsaturated conductivity
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US Department of Agriculture
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USGS solute transport model
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Van de Graaf source mechanism
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Van den Berg and Louters method
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Van der Waals attraction
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Van Genuchten capillary retention model
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Van Genuchten Mualem characteristic curve
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Van Genutchen model
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vapour adsorption artifact
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vapour diffusion
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vapour particle partitioning
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vapour partition coefficient
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vapour phase reaction
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vapour phase transport
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vapour pressure
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vapour pressure deficit
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vapour pressure method
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vapour profile retrieval
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vapour transfer coefficient
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variable pyramid structure
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Vassbo Formation
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04170. precipitation chemistry, snow chemistry, snow cover, groundwater recharge, Switzerland, Alps; 08654. precipitation, copper, heavy metal, pH, 05928. precipitation, glacier, evaporation, water balance, stream flow, hydrological atlas, water resource, map, lake, Switzerland; 10967. recharge, bicarbonate:calcium ratio, infiltration, karst aquifer, groundwater flow, France, Foussoubie Karstic System; 11078. regional water quality, water data, monitoring programme, data quality, sampling regime, water management, USA, Ohio; Colorado; 11112. reservoir hydrochemistry, salinity, oxygen regime, organic matter, nutrient load, Asia; 00539. respiration, beach, tidal flat, decomposition, microorganism, 09430. salt water intrusion, saline water, geophysical survey method, coastal aquifer, electrical resistivity, salt water-fresh water interface, groundwater resource, Ghyben-Herzberg model, groundwater abstraction, Tanzania, Mtwara Region; 13416. sediment, estuary, agricultural pollution, non point source pollution, pesticide, runoff, ecological impact, USA, Washington, Padilla Bay, Puget Sound Estuary; 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12278. storm runoff volume, storm runoff load, urban watershed, dissolved solids, total nitrogen, total ammonia, organic nitrogen, suspended solids, USA; 01648. storm water runoff, hydrocarbon, runoff pollution, surface water quality, bottom sediment, urban runoff, aliphatic hydrocarbon, PAH, Japan, Tokyo, Tama River Basin, Nogawa River; 07514. surface sealing, runoff, anionic polyacrylamide, simulated rainfall, 02718. surface water contamination, remedial treatment, pyrite mine, environemtnal impact, acidity, sulphates, limestone-lime treatment technique, groundwater pollution, India, Amjhore; 12277. surface water quality, dissolved oxygen, riparian vegetative shading, greenhouse warming, water temperature, USA, (Southeast); (South Central); 05191. surface water quality, runoff pollution, petroleum hydrocarbon, urban runoff, 07511. surface water quality, sewage overflow, sewage discharge, intermittent pollution, Netherlands, East Brabant; 07518. surface water, groundwater, pollution control, arid area, water resource, water management, semi arid area, Africa, Sahel; 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13344. water chemistry, forest hydrology, acidification, colour, sediment content, herbicide, pesticide, clearfelling, aluminium, 04149. water quantity, non point source, finite element method, catchment runoff, GIS, 10452. water resource, water management, water demand, water supply, environmental consideration, planning, land management, USA; 05254. water supply, sanitation, waste water disposal, contaminant source, water conservation, water pollutant, 00650. water treatment, nitrate, nitrate elimination process, ion exchange, heterotrophic biological treatment, potable water, 00652. water use, water industry structure, water management, water charges, irrigation water use, water resources, Australia, Victoria; 01778. wellhead protection, travel time, hydraulic test, forced gradient test, groundwater protection zone, tracer test, Germany, Rhine Valley, Karlsruhe; 09907. wetland, iron retention, acid drainage, peat, mine drainage, cation exchange, complexation, precipitation, oxidation, manganese retention, 00499. wetland, turbidity, nutrient concentration, suspended sediment, agricultural practice,

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water quality analysis
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water quality assessment
bit mapped classifier, groundwater quality, computer software, 04130. national water quality, biological monitoring, biochemical testing method, ambient testing, toxicity testing, 11018. water quality measurement, national water quality assessment, surface water quality, groundwater quality, USA; 06327.

water quality conservation
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water quality control
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water quality criteria
surface water quality, intermittent pollution, storm sewage, benthic community, pollution tolerant species, sewage discharge, 07517.

water quality data
fauna death, boron, leaching, arsenic, geothermal activity, lake water quality, correspondence analysis, USA, Nevada, Stillwater Lakes; 06305.

water quality deterioration
acidification, lake water quality, anthropogenic effect, atmospheric deposition, organic matter, inorganic aluminum, buffer capacity, Finland; 13341.

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water quality index
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water quality indicator
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water quality information system
water resource protection, cost-benefit analysis, water quality control, social benefit, benefit evaluation, 04175.

water quality legislation
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water quality management
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water quality measurement
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water quality model
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water quality modelling
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water quality monitoring
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water quality objective
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water quality parameter
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water quality policy
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water quality prediction
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water quality protection
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water quality restoration
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water quality sampling

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water quality simulation
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water quality standard
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Gould probability matrix method, reservoir design, spill probability, failure probability, storage yield design, arid area, semi arid area, reservoir management, 06404.
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chaparral, soil, fire, wetting, USA, Arizona; 03964. groundwater flow, unsaturated zone, wetting agent, irrigation water management, infiltration, irrigation scheduling, 00578. runoff, sediment yield, dune terrain, modelling, water erosion, Netherlands; 12036. wetting, abrasion, infiltration measurements, molarity of an ethanol droplet technique, carbon content, groundwater flow, unsaturated zone, 00577. wildfire, soil wettability, afforested catchment, bedload, quick flow, peak flow, soil loss, catchment response ratio, suspended sediment, overland flow, South Africa; 10993.
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water resource estimation
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water resource forecasting
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Wisconsin(Late) Glaciation
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Commentationes Physico-Mathematicae, Societas Scientiarum Fennica
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Communications in Soil Science & Plant Analysis
Compass of Sigma Gamma Epsilon
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Computer Vision, Graphics, & Image Processing
Computers & Electronics in Agriculture
Computers & Geosciences
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Computers, Environment & Urban Systems
Continental Shelf Research
Cretaceous Research
Crop Protection
Cruise Report - UK Natural Environmental Research Council, Institute of Oceanographic Sciences
Cryptogamie: Algologie
Cryptogamie: Bryologie et Lichenologie
CSIRO Water Resources Series
Cuadernos - Laboratorio Xeoloxico de Laxe
CVGIP: Graphical Models & Image Processing
CVGIP: Image Understanding
Czasopismo Geograficzne
Danmarks Geologiske Undersogelse, DGU-Reprint
Danmarks Geologiske Undersogelse, Kortserie
Danmarks Geologiske Undersogelse, Serie B
Danmarks Geologiske Undersogelse, Series C
Deep-Sea Research, Part A
Dendrochronologia
Deutsche Hydrographische Zeitschrift
Discussion Papers in Geolinguistics - North Staffordshire Polytechnic
Divisional Report - CSIRO Australia, Division of Soils
Doga, Turkish Journal of Agriculture & Forestry
Doga, Turkish Journal of Engineering & Environmental Sciences
Doga, Turkish Journal of Physics
Dokumentacja Geograficzna
Dusseldorfer Geographische Schriften
Dynamics of Atmospheres & Oceans
Earth & Planetary Science Letters
Earth Observation Quarterly
Earth Surface Processes & Landforms
Earth, Moon, & Planets
Earth-Science Reviews
East Midland Geographer
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Ecological Modelling
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Ecology
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Environment International
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Environmental Geology - Illinois State Geological Survey
Environmental Management
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Environmental Research Centre Papers - University of Tsukuba
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ESA Bulletin
ESA Journal
Espace Geographique
Espace-Populations-Societes
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European Journal of Mineralogy
European Water Pollution Control
Experimental & Applied Acarology
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Fauna Norvegica, Serie B
FEMS Microbiology Ecology
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Fieldiana Botany
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Fish & Wildlife Technical Report - US Fish & Wildlife Service
Fisheries Research
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Flora (Jena)
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Forschungsstelle Bodenerosion - Universitat Trier
Forum for Applied Research & Public Policy
Fragmenta Floristica et Geobotanica
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Freiberger Forschungshefte, Reihe A
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Freshwater Biology
FRI Bulletin - New Zealand Forest Service, Forest Research Institute
FRI Bulletin - New Zealand Ministry of Forestry, Forest Research Institute
General Technical Report - US Department of Agriculture, Forest Service
Geo-2
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Geochemistry International
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Geographical Review
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Geographie Physique et Quaternaire
Geographie und ihre Didaktik
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Geography
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Geography Review
GeoJournal
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Geological Journal
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Geological Society of America Bulletin
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Geology Today
Geomicrobiology Journal
Geomorfologiya
Geomorphology
Geookodynamik
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Geophysical Journal International
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Geos

Geoscience Reports - Shizuoka University
Geoscope
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Izvestiya - Akademiya Nauk SSSR, Seriya Geograficheskaya
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Japanese Journal of Ecology
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Queensland Geographical Journal
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Report - Institute for Land & Water Management Research (ICW), Wageningen
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Research Note - US Department of Agriculture, Forest Service
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US Army Coastal Engineering Research Center, Contract Report
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US Geological Survey, Techniques of Water-Resources Investigations
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Weather
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Wetlands Ecology & Management
Wisconsin Land Information Newsletter
Wissenschaftlich-Technischer Informationsdienst - Zentrales Geologisches Institut (Berlin), Reihe A
Wissenschaftliche Zeitschrift - Technischen Universitat Dresden
Working Paper - University of Leeds, School of Geography
World Archaeology
World Bank Technical Paper
World Data Center A: Rockets & Satellites
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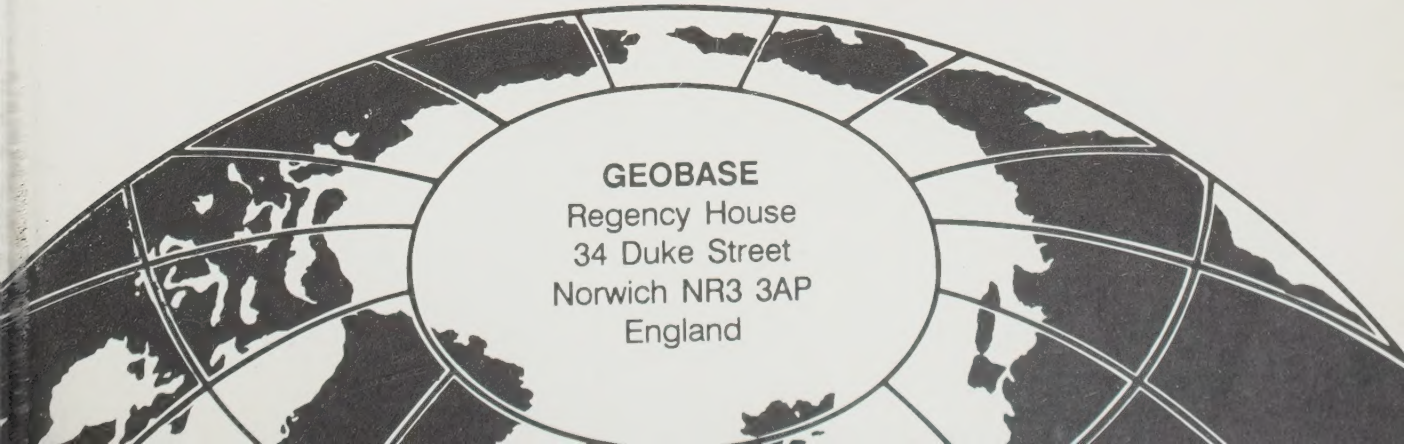
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